# CONSTRUCTION NEWS

*Engineering News-Record, July 23, 1925*

## Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contents awarded, are the following big jobs:

### *Proposed Work*

Power development, Ontario, government authorized Hydro Power Comm. to develop power on various sites on Ottawa River, total $20,000,000.

University, Coral Gables, Fla., G. E. Merrick donated 160 acres and $5,000,000 for university, total, $15,000,000.

Office, Washington, D. C., Washington Central Trust Co. plans building, $5,000,000.

Power plant, Lawton, Okla., Southwest Light and Power Co. making preliminary plans, $2,500,000.

Bridge, Oakland, Calif., city making preliminary plans, $2,000,000.

Club, San Francisco, Calif., Olympic Club plans building, $2,000,000.

City hall, Atlanta, Ga., city soon hold bond election, $2,000,000.

Office, Tulsa, Okla., Independent Oil and Gas Co. having preliminary plans prepared, $2,000,000.

Loft, New York, N. Y., J. Silverman having plans prepared, $1,500,000.

Apartment, New York, N. Y., I. F. Roe having plans prepared, $1,500,000.

Court house, Santa Barbara, Calif., Supervs. Santa Barbara Co. having plans prepared, $1,000,000.

Gymnasium, Berkeley, Calif., Univ. of California plans building, $1,000,000.

Railway, California, D. W. Pontius plans 15 mi. railroad, $1,000,000.

### *Bids Wanted On Big Jobs*

College and dormitory, New York, N. Y., Yeshiva of America soon takes bids, $5,000,000.

Apartment, Chicago, Ill., Aug. 11, M. Fox, engr. and archt., $1,600,000.

Garage, Boston, Mass., J. M. Howe, et al., taking new bids, $1,500,000.

Temple, Des Moines, Iowa, Aug. 3, Shrine Building Assn., $1,000,000.

### *Large Contracts Let During Week*

Church and office, New York, N. Y., B'way - Chelsea Methodist Episcopal Church to W. Kennedy Constr. Co., $4,000,000.

Legislative Hall, Olympia, Wash., State Capitol Com. to Sound Constr. & Eng. Co., $3,176,060.

# PROPOSALS

**For proposals Advertised see the pages immediately following the "Construction News" Section.**

| Bids Close | | See Eng. News-Record |
|---|---|---|
| **WATERWORKS** | | |
| July 24 | Brooklyn, N. Y. | July 16 |
| July 25 | Hopkinton, Mass. | July 23 |
| July 27 | Omaha, Neb. | June 25 |
| July 27 | Bradenton, Fla. | July 9 |
| July 27 | Omaha, Neb. | July 9 |
| July 27 | Milwaukee, Wis. | July 23 |
| July 27 | Houston, Tex. | July 23 |
| July 27 | Long Island City, N. Y. | July 23 |
| July 28 | Leesville, S. C. | June 25 |
| July 28 | Paynesville, Minn. | July 16 |
| July 28 | Baldwin, N. Y. | July 23 |
| July 29 | Cleveland, O. | July 23 |
| July 30 | Phillips, Neb. | July 16 |
| July 31 | Brooklyn, N. Y. | July 23 |
| Aug. 1 | Cleveland, O. | July 23 |
| Aug. 4 | Durham, N. C. | July 23 |
| Aug. 4 | St. Louis, Mo. Adv. July 9 to 23. | July 9 |
| Sept. 4 | Oakland, Calif. | July 9 |
| **SEWERS** | | |
| July 25 | East Liverpool, O. | July 23 |
| July 27 | Bradenton, Fla. | July 9 |
| July 27 | Gary, Ind. | July 16 |
| July 27 | Phila., Pa. | July 23 |
| July 28 | Louisville, Ky. | July 9 |
| July 28 | Leesville, S. C. | June 25 |
| July 28 | Paynesville, Minn. | July 16 |
| July 28 | Phila., Pa. | July 23 |
| July 29 | Cleveland, O. | July 23 |
| July 30 | Colonie, N. Y. | July 16 |
| July 30 | Russellville, Ark. | July 23 |
| July 30 | New York, N. Y. | July 23 |
| July 31 | St. Bernard (Br. Cincinnati) O. | July 16 |
| July 31 | Chattanooga, Tenn. | July 16 |
| July 31 | Batesville, Ark. | July 23 |
| Aug. 1 | Chicago, Ill. | July 9 |
| Aug. 3 | Plainfield, N. J. Adv. July 16 and 23. | July 16 |
| Aug. 4 | Paducah, Ky. | July 9 |
| Aug. 4 | Belzoni, Miss. | July 16 |
| Aug. 6 | Valley City, N. D. | July 23 |
| Aug. 6 | Olean, N. Y. Adv. July 23. | July 23 |
| Aug. 11 | Meadville, Pa. Adv. July 23. | July 23 |
| Aug. 18 | Lynn, Mass. Adv. July 9 to 23. | July 9 |
| **WASTE DISPOSAL** | | |
| July 27 | New Bedford, Mass. | July 16 |
| Aug. 18 | Clarksdale, Miss. | July 23 |
| **BRIDGES** | | |
| July 25 | Racine, Wis. | July 23 |
| July 27 | New Jersey | July 9 |
| July 28 | Merced, Calif. | July 2 |
| July 28 | Indiana | July 16 |
| July 30 | Mercer, Pa. Adv. July 16 and 23. | July 16 |
| July 31 | Menomonie, Wis. | July 23 |
| July 31 | Ohio | July 23 |
| Aug. 3 | Portchester, N. Y. Adv. July 16 and 23. | July 16 |
| Aug. 3 | Oakland, Calif. | July 23 |
| Aug. 4 | Mill Valley, Calif. | July 23 |
| Aug. 5 | Roach (mail Salt Rock), W. Va. | July 9 |
| Aug. 5 | Biloxi, Miss. Adv. July 23. | July 23 |
| Aug. 11 | St. Louis, Mo. | July 23 |
| Aug. 11 | Louisiana | July 23 |
| Aug. 18 | Clearfield, Pa. | July 23 |
| Aug. 19 | Alabama | July 23 |
| **DAMS** | | |
| July 25 | Pulaski, Va. | July 9 |
| July 27 | San Antonio, Tex. | July 2 |
| July 29 | New Brunswick | July 16 |
| July 30 | Grass Valley, Calif. | July 23 |
| **EXCAVATION, DRAINAGE IRRIGATION, LEVEES** | | |
| July 24 | Ontario | July 23 |
| July 24 | Quebec | July 23 |
| July 28 | Marks, Miss. | July 23 |
| July 28 | Corning, Ia. | July 23 |
| July 29 | Falls City, Neb. | July 23 |
| July 30 | Cleveland, Miss. | July 23 |
| July 31 | Brooklyn, N. Y. | July 23 |
| Sept. 12 | Texas Adv. July 23. | July 23 |
| **STREETS AND ROADS** | | |
| July 24 | Pennsylvania | July 9 |
| July 24 | Olean, N. Y. | July 9 |
| July 24 | New Jersey | July 16 |
| July 24 | Michigan | July 16 |
| July 24 | Henrietta, Tex. | July 16 |
| July 24 | Boston, Tex. | July 16 |
| July 24 | West Palm Beach, Fla. | July 16 |
| July 24 | Elwood City, Pa. | July 16 |
| July 24 | Missouri | July 16 |
| July 24 | Cincinnati, O. | July 23 |
| July 25 | East Philadelphia, O. | July 23 |
| July 27 | Sacramento, Calif. | July 9 |
| July 27 | Kansas City, Kan. | July 9 |
| July 27 | New Jersey | July 9 |
| July 27 | South Bend, Ind. | July 23 |
| July 28 | Tuskegee, Ala. Adv. July 16 and 23. | July 16 |
| July 28 | Philadelphia, Miss. | July 16 |
| July 28 | South Carolina | July 16 |
| July 28 | South Bend, Ind. | July 23 |
| July 28 | Marengo, Ill. | July 23 |
| July 28 | Massachusetts | July 23 |
| July 28 | Maryland Adv. July 23. | July 23 |
| Jluy 28 | St. George, N. Y. | July 23 |
| July 29 | Nevada | July 16 |
| July 29 | Nebraska | July 16 |
| July 29 | Akron, O. | July 23 |
| July 29 | Wisconsin | July 23 |
| July 29 | Brooklyn, N. Y. | July 23 |
| July 29 | Cleveland, O. | July 23 |
| July 29 | Lincoln, Neb. | July 23 |
| July 29 | Indianapolis, Ind. | July 23 |
| July 30 | Chickasha, Okla. | July 9 |
| July 30 | New Jersey Adv. July 9 to 23. | July 9 |
| July 30 | Nebraska | July 16 |
| July 30 | Wisconsin | July 23 |
| July 30 | Lincoln, Neb. | July 23 |
| July 30 | Arkansas | July 23 |
| July 30 | Shaker Heights (Cleveland P. O.), O. | July 23 |
| July 30 | Hartford, Conn. | July 23 |
| July 30 | New York, N. Y. | July 23 |
| July 31 | Saltillo, Coahuila, Mexico | July 16 |
| July 31 | Nebraska | July 16 |
| July 31 | New York Adv. July 16 and 23. | July 16 |
| July 31 | Beaumont, Tex. | July 23 |
| July 31 | Wauwatosa, Wis. | July 23 |
| July 31 | Fond du Lac, Wis. | July 23 |
| July 31 | Ohio | July 23 |
| Aug. 1 | Birmingham, Ala. | June 25 |
| Aug. 3 | Pineville, W. Va. Adv. July 9 to 23. | July 9 |
| Aug. 3 | New York Adv. July 16 and 23. | July 16 |
| Aug. 3 | New Mexico | July 16 |
| Aug. 3 | Fayetteville, W. Va. Adv. July 16 and 23. | July 16 |
| Aug. 3 | Mt. Union, Pa. | July 23 |
| Aug. 3 | Camden, N. J. Adv. July 16 and 23. | July 23 |
| Aug. 3 | Charleston, W. Va. | July 23 |
| Aug. 3 | California | July 23 |
| Aug. 3 | Richmond, Ind. | July 23 |
| Aug. 3 | Shoals, Ind. | July 23 |
| Aug. 3 | Martinez, Calif. | July 23 |
| Aug. 4 | Florida | July 16 |
| Aug. 4 | West Virginia Adv. July 23. | July 23 |
| Aug. 4 | Auburn, Ind. | July 23 |
| Aug. 4 | Valparaiso, Ind. | July 23 |
| Aug. 4 | Plymouth, Ind. | July 23 |
| Aug. 4 | Boonville, Ind. | July 23 |
| Aug. 5 | Delaware | July 16 |
| Aug. 5 | Rye, N. Y. Adv. July 23. | July 23 |
| Aug. 6 | Michigan | July 23 |
| Aug. 7 | Ebensburg, Pa. | July 23 |
| Aug. 7 | Boston, Tex. | July 23 |
| Aug. 9 | Chickasha, Okla. | July 9 |
| Aug. 10 | California | July 23 |
| Aug. 10 | Michigan | July 23 |
| Aug. 11 | Clayton, Mo. | July 9 |
| Aug. 11 | Brooklyn, N. Y. Adv. July 16 and 23. | July 16 |
| Aug. 11 | St. Louis, Mo. | July 23 |
| Aug. 11 | Michigan | July 23 |
| Aug. 11 | Arcadia, Fla. Adv. July 23. | July 23 |
| Aug. 12 | West Virginia | July 23 |
| Aug. 12 | Michigan | July 23 |
| Aug. 19 | Alabama | July 23 |
| Aug. 24 | Kentucky | July 23 |
| Sept. 22 | New Orleans, La. | July 2 |
| Sept. 24 | New Orleans, La. | July 2 |

| Bids Close | | See Eng. News-Record |
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### BUILDINGS—INDUSTRIAL

| | | |
|---|---|---|
| July 24 | Providence, R. I. | July 23 |
| July 27 | Bradenton, Fla. | July 9 |
| July 27 | Johnstown, Pa. | July 23 |

### BUILDINGS—COMMERCIAL

| | | |
|---|---|---|
| July 25 | Phila., Pa. | July 16 |
| July 27 | Waukesha, Wis. | July 16 |
| July 27 | Willimantic, Conn. | July 23 |
| July 27 | Farmingdale, N. Y. | July 23 |
| July 28 | Buffalo, N. Y. | July 9 |
| July 28 | Tecumseh, Okla. | July 23 |
| July 31 | Phila., Pa. Adv. July 23. | July 23 |
| July 31 | Milwaukee, Wis. | July 23 |
| Aug. 3 | Des Moines, Ia. | July 23 |
| Aug. 5 | New York, N. Y. | July 23 |
| Aug. 12 | Little Rock, Ark. | July 23 |

### BUILDINGS—EDUCATIONAL, RELIGIOUS

| | | |
|---|---|---|
| July 23 | Phila., Pa. | July 9 |
| July 27 | Kankakee, Ill. | July 2 |
| July 27 | New Brunswick, N. J. | July 16 |
| July 27 | Worcester, Mass. | July 23 |
| July 28 | Hawthorne, Mass. | July 16 |
| July 29 | Clearwater, Fla. | July 16 |
| July 30 | Omaha, Neb. | July 23 |
| July 31 | Minneapolis, Minn. | July 23 |
| Aug. 3 | Shattuck, Okla. | July 23 |

### FEDERAL GOVERNMENT WORK

| | | |
|---|---|---|
| July 27 | Post Office—Bloomington, Ill. | July 9 |
| July 27 | Steel Shutter—Florence, Ala. | July 23 |
| July 28 | Post Office—Sandpoint, Idaho | July 9 |
| July 29 | Roads—Red Bluff, Calif. | July 9 |
| July 29 | Hospital—Canacao, P. I. | May 21 |
| July 29 | Dredging—San Francisco, Calif. | July 16 |
| July 29 | Fire Protection—Baltimore, Md. | July 16 |
| July 29 | Sheet Piling—Louisville, Ky. Adv. July 23. | July 23 |
| July 31 | Waterworks—Wash., D. C. Adv. July 9 to 23. | July 9 |
| July 31 | Post Office—Ithaca, N. Y. | July 16 |
| July 31 | Pipe Line—Wash., D. C. | July 16 |
| July 31 | Dredging — New Haven, Conn. Adv. July 2 to 16. | July 2 |
| July 31 | Metal Work—Louisville, Ky. Adv. July 23. | July 23 |
| Aug. 1 | Rock Crusher—Florence, Ala. Adv. July 23. | July 23 |
| Aug. 3 | Wicket Iron, etc.—Louisville, Ky. Adv. July 9 and 23. | July 9 |
| Aug. 3 | Stone—Phila., Pa. | July 16 |
| Aug. 4 | Hospital—Hot Springs, S. D. | June 25 |
| Aug. 4 | Water Piping—Boston, Mass. Adv. July 16 and 23. | July 16 |
| Aug. 4 | Metal Doors—Florence, Ala. Adv. July 16 and 23. | July 16 |
| Aug. 5 | Dredging—Baltimore, Md. Adv. July 9 to 23. | July 9 |
| Aug. 5 | Remodeling—Lexington, Ky. | July 16 |
| Aug. 5 | Welfare Building—Phila., Pa. | July 16 |
| Aug. 5 | Remodeling—Savannah, Ga. | July 23 |
| Aug. 6 | Dredging—Boston, Mass. Adv. July 2 to 23. | July 9 |
| Aug. 7 | Remodeling—Phila., Pa. Adv. July 23. | July 23 |
| Aug. 10 | Addition — Indianapolis, Ind. | July 23 |
| Aug. 12 | Nurses Quarters—New Orleans, La. | July 23 |
| Aug. 14 | Lock Gates—Pittsburgh, Pa. Adv. July 23. | July 23 |
| Aug. 14 | Post Office — Danbury, Conn. Adv. July 23. | July 23 |
| Aug. 17 | Barges—Norfolk, Va. Adv. July 23. | July 23 |
| Aug. 17 | Post Office—St. Augustine, Fla. | July 23 |
| Aug. 18 | Post Office—Pottsville, Pa. Adv. July 23. | July 23 |
| Aug. 20 | Power Plant—Yuma, Ariz. | July 16 |

### UNCLASSIFIED

| | | |
|---|---|---|
| July 24 | Subway—New York, N. Y. | July 16 |
| July 27 | Heating—Murphysboro, Ill. | July 23 |
| July 27 | Ornamental Lighting Standards—Buffalo, N. Y. | July 23 |
| July 29 | Street Lighting System—Akron, O. | July 23 |

| Bids Close | | See Eng. News-Record |
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| Aug. 1 | Recreation Pier, etc.—St. Petersburg, Fla | July 9 |
| Aug. 2 | Field House—Chicago, Ill. | July 23 |
| Aug. 10 | Electric Capstans, etc.—Napier, New Zealand | June 25 |
| Aug. 18 | Subway—Phila., Pa. Adv. July 16 and 23. | July 16 |

### MATERIALS

| | | |
|---|---|---|
| July 29 | Paving Blocks—Brooklyn, N. Y. | July 23 |
| July 31 | Chlorine, etc.—Cleveland, O. | July 23 |
| Aug. 3 | Ties—Montreal, Que. | July 16 |
| Aug. 11 | Asphalt, etc.—Bushnell, Fla. | July 23 |
| Aug. 12 | Steel Sheets—Melbourne, Australia | July 16 |
| Aug. 19 | Wire — Melbourne, Australia | July 23 |
| Aug. 26 | Rails—Melbourne, Australia | July 16 |

**Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.**

## Waterworks

### PROPOSED WORK

**Miss., Marks** — Defeated $30,000 bonds, water and sewer extensions in various streets.

**Miss., Isola** — Making preliminary plans waterworks, incl. pumping equipment, tank on tower, distribution mains, etc. $25,000. H. A. Mentz, Citizens Natl. Bank Bldg., Hammond, La., engrs.

**La., Kenner**—Making preliminary plans mains and distribution system also sanitary sewers in various streets. $80,000. H. A. Mentz, Citizens Natl. Bank Bldg., Hammond, engr.

**Tenn., Knoxville** — Making plans waterworks improvements, incl. new pumping station, 15 m.g. filtration plant and elevated storage reservoir. $1,500,000. Alvord, Burdick & House, Hartford Bldg., Chicago, engrs.

**Tenn., McMinnville** — Election Aug. 8, $65,000 bonds, extending and improving waterworks.

**O., Columbus**—See "Streets and Roads."

**Mich., Ishpeming**—Plans 1,200 ft. 14 in. intake into Lake Michigan. To exceed $15,000. W. Weilander, supt. Pub. Wks. Engineer not selected.

**Wis., Stoughton**—City, c/o C. Gander, supt. Power, plans to purchase new water wheels, flumes, belting, etc., for local water and power plant. $30,000. Engineer not selected.

**Kan., Tescott**—Election Aug. 7th, $33,000 bonds, for waterworks.

**Neb., Superior** — Making plans 250,000 gal. steel tank on 100 ft. steel tower. Henningson Eng. Co., Natl. Bank Bldg., Omaha, engrs.

**Mo., Crane**—Election soon $40,000 bonds for waterworks. Russell & Axon, McDaniels Bldg., Springfield, engrs.

**Mo., Lees Summit**—See "Sewers."

**Mo., Kennett** — Voted $40,000 bonds, waterworks improvements.

**Mo., Neosho**—Election soon $30,000 bonds extending waterworks. Black & Veatch, 700 Mutual Bldg., Kansas City, engrs.

**Mo., Portageville**—Voted $85,000 bonds, complete water works and distribution system, etc. A. Moore, 222 West 3rd St., Joplin, engr.

**Mo., Salisbury**—Voted $23,000 bonds extending mains in various streets and $12,000 bonds for filtration plant. Noted July 2.

**Ark., Searcy**—Soon takes bids 350 tons 6- to 10-in. c.i. mains, gravity filters, pumping station, 200,000 gal, filter basin, 500,000 ga. concrete clear water basin, etc. $70,000. Dickinson & Watkins, 608 Boyle Bldg., Little Rock, engrs.

**Tex., Abilene**—SCHOOL—Election Aug. 10, $160,000 bonds new rein.-con., brick and stone school, plain foundation. C. E. Coombs, mayor.

**Tex., Ennis** — Election July 28, $60,000 bonds, for waterworks. H. McCanless, Ennis, engr.

**Tex., Grand Prairie** — Making plans waterworks improvements, incl. new well, additional pumping equipment and extending 6 in. mains in various streets. $20,000 bonds voted. Koch & Fowler, 606 Central Bank Bldg., Dallas, consult. engr.

**Tex., Houston** — Making plans mains in Euclid Ave. $26,000. J. C. McVea, city engr.

**Tex., Lockhart** — Texas Power & Light Co., Interurban Bldg., making plans waterworks improvements. $20,000. Jno. B. Hawley, Cotton Exchange Bldg., Ft. Worth, engr.

**Tex., Mission** — Voted $60,000 bonds waterworks improvements, additional mains, pumping equipment, etc. Address J. T. Williamson, city secy.

**Tex., O'Donnell**—Election Aug. 5, $65,000 bonds, waterworks system. Devlin Eng. Co., 119 Central Bldg., Amarillo, engrs. Noted June 4.

**Tex., Port Arthur**—Making plans filtration plant handling 5 m.g. water daily. Burns & McDonnell Eng. Co., 400 Interstate Bldg., Kansas City, Mo., engrs. $200,000. Noted July 9.

**Tex., Richardson**—Election soon $40,000 bonds, waterworks system. T. F. McKamy, mayor.

**Tex., San Antonio** — City Waterworks System plans 1 m.g. elevated tank, Hildebrandt and Shook Aves. $130,000. A. Hazen, 25 West 43rd St., New York City, superv. engr. Bids deferred. Noted July 9.

**Okla., Carter**—Making preliminary plans new waterworks, incl. 2 drilled wells, tank and tower, c.i. mains, etc., in various streets. $20,000 bond election soon. Engineer not selected.

**Okla., Davenport** — Voted $33,000 bonds for waterworks improvements, incl. tank on tower, pumps, motors, etc. Gantt-Baker Co., Inc., 1116 West Main St., Oklahoma City, engrs.

**Okla., Okmulgee**—Voted $1,000,000 bonds new reservoir on Salt Creek, spillway, dam and pipe line. Holway Eng. Co., Wright Bldg., Tulsa, engrs. Noted July 9.

**Wash., Auburn** — City Council making plans new reservoir for Coal Creek water system. $172,846, if cast iron pipe is used cost will be $212,887. J. A. Fallgreen, city engr.

### BIDS DESIRED

**Mass., Hopkinton**—July 25, by Water Bd. Town Hall, about 4,500 ft. 6 in. c.i. mains in various streets. J. F. Sullivan, clk.

**N. Y., Baldwin**—July 28 (extended date), by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, two 20 m.g. turbine driven centrifugal pumps at Milburn pumping station, here. Noted July 9.

**N. Y., Brooklyn**—July 31, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Hegeman, Narrows, Ralph and 8th Aves., 19th, 68th, 73rd, 77th, East 8th, East 96th, West 5th and 7th Sts., here.

**N. Y., Long Island City**—July 27, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, 7 mains in 75th Rd., Shore Acre Blvd., Murray Lane, Bway., Kingsley 65th and Talbot Places, Arcadia, Ash, 21st, 38th, 46th, 57th, Patterson, Alstyne, 5th, Herberd 32nd, 33rd and Townsend Aves., 70th, 88th, 93rd, 98th, 124th, 128th, 136th, 147th, 163rd, 204th, 211th, 219th, Silver, Xenia, 78th, 160th and 161st Sts., here.

**N. C., Boone**—July 28, by D. J. Cottrell, mayor, 23,000 ft. 6- to 8-in. c.i. pipe for waterwork extensions, also steel storage reservoir, and 4 mi. sewers. G. C. White Eng. Co., Durham, engrs.

**N. C., Durham**—Aug. 4, by R. W. Rigsby, city mgr., mechanical filtration plant addition, 5½ m.g. capacity, coagulating basin, separate rein.-con. water basin of 1 m.g. capacity, 2.6 mi. 24 in. c.i. pipe line, 5 venturi meters, 3 motor driven centrifugal pumps, etc. W. M. Pratt, Durham, engr. Noted Jan. 15.

**O., Cleveland**—Aug. 1, by Bd. Comrs. Cuyahoga Co., mains in Mayfield Park subdivision Impvt. 358. To exceed $15,000. F. Williams, Court House, engr.

**O., Cleveland**—July 29, by Cuyahoga Co., 15,000 ft. 8 and 12 in. c.i. mains in Pleasant Valley Rd. F. Williams, Court House, engr.

**Wis., Milwaukee**—July 27, by Dept. Pub. Wks., 19,515 lin.ft. 6- to 12-in. c.i. mains in various streets in Notice 96; 16,176 lin.ft. 6- to 12-in. c.i. mains in various streets in Notice 97, J. Schwada, City Hall, engr. City will furnish pipe.

**Okla., Red Fork** — See "Contracts Awarded."

**Calif., Needles** — Sept. 15, by City Trustees, Sect. 1, distribution system, 6,600 lin.ft. 6- to 10-in. c.i. pipe (furnished, hauled and laid), 4,400 lin.ft. 3- to 6-in. c.i. pipe (reclaimed and laid); Sect. 2, constructing 150,000 gal. steel tank on tower. To exceed $25,000. Burns-McDonnell-

Waterworks (Continued)

Smith, Marsh-Strong Bldg., Los Angeles, engrs.

**BIDS RECEIVED**

**Wis., Milwaukee** — Dept. Pub. Wks., July 13, c.i. mains in various streets, Notice 93, from Mierswa Constr. Co., 1619 Oregon St., Oshkosh, $14,459; Notice 95, from H. O. Schaefer & Sons, 1149 East Mason St., Green Bay, $7,809.

**CONTRACTS AWARDED**

**Md., Baltimore**—Bd. Awards, City Hall, trench excav. in Northeastern and Eastern Dists., to M. L. Quinn, 5306 York Rd., $28,935; in Western and Southwestern Dists. also Northwest Dist., to M. and J. B. McHugh, 4105 Belleview Ave. $43,325 and $59,025 respectively.

**W. Va., Ronceverte** — Filtration plant and reservoir consisting of steel tank set in present concrete basin, to Pittsburgh-Des Moines Co., Curry Bldg., Pittsburgh, Pa., $30,126.

**Ill., Christopher**—City, c.i. pipe line connecting with new reservoir, to Benton Plumbing Co., Benton, $14,316.

**Neb., Dubois**—M. Church, city clk., 50,000 gal. tank on tower, 5,124 ft. 4- to 8-in. c.i. and 6,100 ft. 1 and 2 in. galvanized pipe in place, 2 wells, etc., to A. C. Hastie, Falls City, $17,976. Noted June 25.

**Neb., Greenwood** — W. E. Hand, village clk., 90 ft. well, pumping station, pumping equipment, c.i. mains, valves and boxes, to Hastie & Shirley, Omaha; 30,000 gal. steel tank on tower, to Omaha Steel Wks., 4802 Leavenworth St. Engrs. est. $25,000. Noted June 25.

**Tex., Goree**—Waterworks improvements, incl. well, 50,000 gal. steel tank on 100 ft. tower, etc., to R. Irick, Plainview, $28,497. Engrs. est. $35,000. Noted July 9.

**Tex., Wichita Falls**—Westmoreland Park Co., J. Thomas, waterworks improvements, incl. filtration plant, etc., to Redwood Pipe Mfg. Co., Hobart Bldg., San Francisco, Calif., $70,000. Noted June 25.

**Okla., Red Fork** — City will build new waterworks system, by day labor. $65,000. Gantt-Baker Co., Inc., 116 West Main St., Oklahoma City, engrs. Noted Apr. 16.

**Ont., Waterford**—D. A. Hill, village clk., waterworks system, general contract, to J. A. Vance, 197 Light St., Woodstock $25,000; steel tank, to Horton Steel Wks., 85 Richmond St., Toronto, $6,000; pumping equipment, to Goldie McCulloch Co., Galt; mains, to Gartshore Thompson Pipe Fdry. Co., Hamilton. Engrs. total est. $45,000.

**Ont., Welland**—C. R. Hagen, chn. Water Comrs., filtration plant, to W. H. Yates Constr. Co., 17 Main St. E., Hamilton, $146,500. Engrs. est. $150,000. Noted June 18.

## Sewers

**PROPOSED WORK**

**R. I., Providence**—Plans sewerage works in Sunnyside, Cumberland and Devonshire Sts. $25,000. J. B. Ballard, chn. Com. on Sewers.

**N. Y., Lackawanna** — Plans reconstructing sewage disposal plant. $350,000.

**N. C., High Point**—Plans extending about 7 mi. 8- to 12-in. sewers and 3 mi. 6 and 10 in. c.i. mains in various streets. A. E. Taplin, High Point, engr.

**La., Kenner**—See "Waterworks."

**Ohio** — Lake Co. (Painesville) plans sewers in about 1,500 acres east of Chagrin River through villages of Wickliffe, Willowick and Willoughby. $385,000.

**O., Cincinnati**—City plans 2,410 ft. vitr. clay and 930 lin.ft. 33 and 51 in. brick sewer in Lower River Rd. between Anderson Ferry Rd., and culvert point 1,255 ft. west Fennimore St. $36,450. F. Krug, City Hall, engr.

**O., Columbus**—See "Streets and Roads."

**O., Columbus**—Making plans 2,230 lin. ft. 6- to 18-in. sewer, etc., in Margaret Ave., $1,485; 12,000 ft. sanitary sewer in Palmetto Ave., $27,689. R. H. Simpson, city engr.

**Ind., Anderson** —Making plans sewers in 1 mi. various streets in Lommandale. $35,000. M. H. Donney, city engr.

**Michigan** — Lapeer (Lapeer), Sanilac (Sandusky) and St. Clair (Port Huron) Counties, making surveys 15,000 ft. Mill Creek Drain.

**Mich., Detroit**—Made plans 2,483 ft. 12-to 18-in. crock in Storm Sewer 4411, 1,890 ft. 12- to 20-in. Storm Sewer 4418, 1,937 ft. 12- to 20-in. Storm Sewer 4419, 5,687 ft. 12- to 24-in. Lateral Sewer 4379, 3,850 ft. 12- to 24-in. Lateral Sewer 4389, 4,958 ft. 12- to 24-in. Lateral 4409, 1,549 ft. 12- to 20-in. Lateral Sewer 4410, 841 ft. 12- to 24-in. Lateral Sewer 4417, 3,268 ft. 12- to 24-in. Lateral Sewer 4422, 4,361 ft. 12- to 20-in. Lateral 4423, 2,793 ft. Lateral 4424, 2,793 ft. 12- to 15-in. Lateral Sewer 4426, 727 ft. 12- to 15-in. Lateral Sewer 4427, 5,812 ft. 12- to 24-in. Lateral 4428. P. A. Fellows, city engr.

**Wis., Stoughton**—See "Waterworks."

**Mo., Jackson** — Voted $65,000 bonds 2 disposal tanks, 47,130 ft. 6- to 12-in. vitr. clay sewers, etc. in various streets. E. Flad & Co., 1312 Chemical Bldg., St. Louis, engrs. Noted June 25.

**Mo., Kansas City** — Plans sewers and levees in various streets. $1,300,000. Above project is part of $38,000,000 bond issue to be submitted to voters about Oct. 15.

**Mo., Kennett** — Voted $28,000 bonds sewers in various streets.

**Mo., Lees Summit**—Election July 21 (extended date), $77,000 bonds sanitary sewers and $10,000 bonds water extensions in various streets. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs. Noted July 2.

**Mo., St. Louis**—Making preliminary plans brick or segmental block and vitr. clay sewers in North Baden Joint Dist. 1, $26,000; vitr. clay sewers in North Baden Joint Dist. 2 $25,700, in Baden Sewer Dist. 5 $11,600, and in Baden Sewer Dist. 6, $14,400. W. W. Horner, City Hall, engr.

**Mo., St. Louis**—Soon takes bids 28,945 lin.ft. 21- to 36-in. vitr. clay, 4,180 lin.ft. 27- to 36-in. clay, brick or segmental block sewers, 970 lin.ft. 42 and 45 in. brick or segmental block sewers in Baden Sewer Dist. 4, $167,000; 140 ft. 8 in., 1,055 ft. 10 in., 295 ft. 12 in., 395 ft. 15 in., 315 ft. 18 in., 155 ft. 21 in. and 250 ft. 24 in. vitr. clay sewers in Harlem Creek Dist. 23. W. W. Horner, City Hall, engr. Noted Apr. 9.

**Tex., Abilene**—Election Aug. 10th, $50,000 bonds, sewerage improvements. C. E. Combs, mayor. Noted Mar. 26.

**Tex., Brownfield**—Voted $100,000 bonds sewerage system and disposal plant. M. L. Copeland, city secy.

**Tex., Lubbock** — Voted $150,000 bonds, sanitary sewers in various streets. M. S. Ruby, city clk. Noted June 18.

**Tex., O'Donnell**—Election Aug. 5, $25,000 bonds sewers in various streets. Devlin Eng. Co., Central Bldg., Amarillo, engr.

**Okla., Oklahoma City**—Election Aug. 4, $1,750,000 bonds outfall sewers and 2 disposal plants. B. M. Hart, City Hall, engr. Noted July 2.

**Okla., Sulphur** — Plans extending 20,000 ft. 8 and 10 in. vitr. clay sewers in Dist. 9. $25,000. Engineer not selected.

**Wash., Seattle**—City Council plans trunk sewer in Michigan St. $411,892. A. H. Dimock, city engr.

**Calif., Burlingame**—Made plans 2,842 ft. 6 in. vitr. and 10,038 ft. 24 in. concrete sewers, etc., in various streets. J. R. Murphy, city clk.

**Calif., San Francisco** — City and San Francisco Co. plan sewers in Kirkham St. between 23rd and 26th Aves., and in 23rd Ave. between Kirkham and Lawton Sts. To exceed $25,000. M. M. O'Shaughnessy, city engr.

**BIDS DESIRED**

**N. Y., Brooklyn** — July 29, by J. A. Guider, boro pres., Boro Hall, sewers in Rutland Rd., Lott Ave., Fort Hamilton Parkway, 73rd, 79th, 47th, 59th, 60th and East 34th Sts.

**N. Y., Farmingdale** — See "Buildings—Commercial."

**N. Y., New York**—July 30, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in White Plains Rd., Baychester and Bussing Aves.

**N. Y., Olean**—Aug. 6, by Common Council, sanitary trunk sewers in Two Mile Creek, pumping station, etc. G. R. Miles, city engr. G. C. Diehl, Inc., 555-583 Ellicott Sq., Buffalo, associate engrs.; adv. E. N.-R. July 23.

**N. Y., St. George** — See "Streets and Roads."

**Pa., Meadville** — Aug. 11, at Office D. Andrews city clk., constructing sewage pumping station. R. L. Phillips, city engr.; adv. E. N.-R. July 23.

**Pa., Phila.**—July 27, by Bureau Highways, Dept. Pub. Wks. storm sewers in Packer Ave. from Broad to 10th Sts., 10th St. from Johnston St. to drainage ditch south of Geary St., 20th St. from Packer to Pattison Aves., Pattison Ave. from 20th to Broad Sts., Pattison Ave. from Broad to 10th Sts., 10th St. from Pattison Ave. to drainage ditch north of Hartranft St., Pattison Ave. from 10th to 7th Sts., and 7th St. from Pattison Ave. to Johnston St. G. H. Biles, dir.

**Pa., Phila.**—July 28, by Dept. Pub. Wks., Bureau Engineering, storm water sewers, etc., in South Philadelphia Impvt. Dist. south of Packer Ave. and west of Broad St.; Wingohocking Sewer in Howard St. from point 65 ft. southwest of Front St. to Hunting Park Ave., etc.; main sewer in Colgate St. from Wakeling to Comly Sts.

**N. C., Boone**—See "Waterworks."

**O., Cleveland**—July 29, by City, main drainage sewer at Cleveland Air Port. $70,000. R. Hoffman, City Hall, engr.

**O., East Liverpool**—July 25, by A. G. Ellis, serv. dir., 2,446 ft. 4 and 6 in. sanitary sewers in Coal Alley, Ryder Ave., Riley, Laura and Springdale Aves. $50,000. J. A. George, East Liverpool, engr. Noted May 14.

**N. D., Valley City** — Aug. 6, by City, about 10,284 lin.ft. 8- to 30-in. vitr. tile storm sewer, etc., and 1,150 lin.ft. 10 in. vitr. tile sewers, etc., in Impvt. Dist. 3. $25,000. Dakota Eng. & Constr. Co., Valley City, engrs.

**Ark., Batesville**—July 31, by W. K. Ruddell, secy., 4.6 mi. 21,700 ft. 6- to 10-in. vitr. sewers in Sewer Dist. 4, $27,000. V. V. Long & Co., 2300 Colcord Bldg., Oklahoma City, Okla., engrs. Noted Mar. 13.

**Ark., Russellville**—July 30, at office R. Bailey, atty., sanitary sewers in Dist. 2. F. Ellsworth, Russellville, engr. for dist.

**BIDS RECEIVED**

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., July 14, storm sewers in Baisley Blvd., from Necaro Co., Inc., 97 Court St., Brooklyn, $926,233; 192nd St. from J. Gallo, 203 Division St., Brooklyn, A $131,134 B $123,634; East 217th St., from J. F. Clancy, Inc., 460 Lockwood St., Astoria, $4,164; Herbert and 163rd Sts., from Greenough & Coppinger, 9301 86th Rd., Woodhaven, $3,096 and $877 respectively; Sinclair Ave., from C. Pettracca, 737 Kathleen Court, Brooklyn, $7,515; Sanford Ave., from H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, $4,332. Noted July 9.

**N. Y., New York** — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., July 16, sewers in River and Underhill Aves., from J. V. Timoney Constr. Co., 220 East 201st St., $17,806 and $3,189 respectively; Fenton and Cromwell Aves., from Slack & Slack Corp., 1621 Gates Ave., $8,775 and $6,900 respectively; Grace Ave., from R. L. Sullivan, Dorothy Pl., $7,237; Wilkinson Ave. from Eastern Blvd. to Westchester Ave., from C. W. MacDonald, 1910 Webster Ave., $4,502; Wilkinson Ave. from Mayflower to Hobart Aves., from Fiorello & Koch, 1895 Belmont Ave., $5,216; receiving basins in Bronxwood Ave., etc., from A. Gregorio & Co., 1129 8th Ave., $1,893. Noted July 9.

**Pa., Phila.** — Dept. Highways & Bureau Engineering, July 14, from J. J. McHugh, 1617 Race St., main sewers in Ashdale St. $104,724, branch sewers in Broad St. $46,483, Elmwood St. $27,717; from E. Pascuzzi, 601 Lincoln Bldg., main sewer in Erie Ave. $290,634; from F. T. Buckins Jr., 4050 Kensington Ave., main sewer in Harrison St. $45,000, inlet laterals $40,020; from A. Mattia, 310 North 65th St., branch sewers in Bermuda St. $2,384, Cooper St. $2,204, from A. Franzi, 513 High St., Disston St. $4,481, Howell St. $5,853, Tulip St. $8,055, from F. DiPasquale, 1215 South 7th St., Jenks St. $6,362, Towesdale St. $22,128, from J. Lombardi, Lincoln Bldg., 75th St. $37,430, from V. S. Campellone, 812 West Venango St., VanDike St. $4,872, from J. Moss, 1652 Wakeling St., Van Kirk St. $4,485; from Vare Constr. Co., 1120 Race St., collecting sewer in 80th St., $167,026. Noted July 9.

**Md., Baltimore**—Bd. Awards, 21,560 lin. ft. 8 in. and 1,600 ft. 10 in. vitr. sanitary sewers in Dist. P-8, Sanitary Contr. 220, incl. from A. J. Boyle, Amer. Bldg., $91,161. Noted July 9.

**O., Cleveland**—Cuyahoga Co., 7,000 ft. 8- to 48-in. sewer in Ridgeway Blvd., from N. Carroccio, 14109 Benwood Ave., $64,230.

**Mich., Detroit** — From S. Healy, 12198 Wyoming Ave., Cadieux Rd. Sewer, Sect. 3 $96,974, Lyndon Grand River Arm of East Mill Rd. Sewer $123,370, Storm Sewer 4412 $4,695, Storm Sewer 4415 $6,828; from Waterway Constr. Co., Detroit, Bonaparte Ave. Arm East Wyoming Ave. Sewer $25,985, Storm Sewer 4413 $6,898, Storm Sewer 4416 $5,732; from T. D. Nolan, 11341 Woodward Ave., Kendall Ave. Arm West Wyoming Ave. Sewer $37,913; from J. Brogan, Green Bay, Wis., Storm Sewer 4407 $8,232; from Lincoln Constr. Co., 12337 Indiana Ave., Storm Sewer 4408 $5,759; from H. Ponterelli, 1974 Hale Ave., Storm Sewer 4414 $4,900.

Sewers (Continued)

**Mo., Kansas City**—Bd. Pub. Wks., June 25, combined storm and sanitary sewer, known as "Gooseneck Sewer," from Torson Constr. Co., 3700 Westport St., $1,263,989. Noted June 4.

**Calif., Santa Barbara**—For 23,373 lin.ft. 6- to 14-in. vitr. sewers, etc. in Milpas, Salinas Sts., etc. from Olivarri Contg. Co., Ventura, $29,306.

CONTRACTS AWARDED

**Miss., Belzoni** — For 20,000 ft. 8 in. sanitary sewers, Laclede Christy St. Louis pipe, to Fisher Lime & Cement Co., Memphis, Tenn., $5,220; labor, to W. D. Banker Constr. Co., Memphis, Tenn., $11,211. Noted July 2.

**O., Cleveland**—City, 975 ft. 15- to 18-in. vitr. tile sewer in Rosewood Ave., to Joseph Co., Prospect-Fourth Bldg., $10,365; 9805 ft. 12- to 20-in. vitr. tile sewer in Triskett Rd., West 162nd, 132nd and 133rd St., to Yahaya Bros., 3196 West 25th St., Cleveland, $32,066.

**O., Cleveland**—Cuyahoga Co., 7,000 ft. 8- to 48-in. concrete sewer in Ridgeway Blvd., to N. Carroccio, 14109 Benwood Ave., $64,230. Noted June 23.

**O., Euclid** — Sewers in Sect. 1 Babbitt Rd., to A. C. Hattendorof, Stop 14 Euclid Ave., $27,544; Sect. 2 to Curro & Whittaker, 12208 Mayfield Rd., Cleveland, $27,741.

**O., Euclid**—Concrete sewers in Cut and Chardon Rds., to Curro & Whittaker, 12208 Mayfield Rd., Cleveland, $57,104. Noted July 2.

**Ill., Pittsfield**—Bd. Local Impvts., Firemens Hall, 46,904 ft. 8- to 18-in. vitr. clay and 84 ft. 8- to 18-in. c.i. sewers in various streets, to V. E. Taylor, 407 Washington Ave., St. Louis, Mo., $60,992. Noted July 2.

## Waste Disposal

BIDS DESIRED

**Miss., Clarksdale** — Aug. 18, by L. A. Ross, mayor, and City Council, garbage incinerator, 10 to 15 ton daily capacity.

CONTRACTS AWARDED

**Fla., Tampa** — City Comrs., 100 ton incinerator plant on Maryland Ave. and 1st St., to Nye Odorless Crematory Co., Georgia Life Bldg., Macon, Ga., $60,000. Noted May 28.

## Bridges

PROPOSED WORK

**Pa., Phila.**—Plans 435 x 108 ft. timber bridge over Greenwich Branch Pennsylvania R.R., and Baltimore & Ohio R.R. tracks, at 7th St. $65,000. Bureau Eng., City Hall, engrs.

**Tenn., Knoxville** — City and Southern R.R. Co., 1300 Pennsylvania Ave., Wash., D. C., take bids about Sept. 1, viaduct over railroad tracks, here. $500,000. L. Brownlaw, city mgr. B. Herman, ch. engr. railroad. Noted July 2.

**Ill., Rockford**—Plans bridge, Peach St. to 1st St. $250,000-$400,000. B. C. Harvey, City Hall, engr.

**Wis., Racine** — City, c/o H. A. Nelson, Comr. Pub. Wks., soon takes bids approximately 185 ft., steel girder bridge, 36 ft. roadway and two 6 ft. sidewalks, over Root River at Mead St. $50,000. Wisconsin Bridge & Iron Co., North Milwaukee, engrs. Noted Feb. 5.

**Kan., Yates Center**—Clerk Woodson Co. rejected bids July 8, for Cooper and Spogy Bridges. Will readvertise. H. O. Ashley, Yates Center, engr. Noted July 2.

**Mo., Kansas City**—Plans 450 ft. bridge at 43rd St. and Mill Creek Parkway, $100,000-$150,000; also 575 ft. bridge over Pershing Rd. from Bway. to West Penway, $200,000. Above projects are part of proposed $38,000,000 bond issue to be submitted to voters about October 15. Engineer not selected.

**Tex., Baird**—See "Streets and Roads."

**Tex., Bay City** — See "Streets and Roads."

**Tex., Boston**—See "Streets and Roads."

**Tex., Carthage**—See "Streets and Roads."

**Tex., Huntsville** — See "Streets and Roads."

**Tex., Sulphur**—See "Streets and Roads."

**Tex., Sweetwater** — See "Streets and Roads."

**Tex., Uvalde**—See "Streets and Roads."

**Tex., Waxahachie** — See "Streets and Roads."

**Calif., Blythe**—State Hy. Comn., Sacramento, Calif., and State Hy. Comn., Phoenix, Ariz., making plans 900 ft. steel bridge over Colorado River, near here. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., engrs.

**Calif., Oakland** — Making preliminary plans rein.-con. and steel vehicular bridge over Lake Merritt. $2,000,000. W. W. Harmon, city engr.

BIDS DESIRED

**Pa., Clearfield**—Aug. 18, by Commissioners Clearfield Co., J. E. Dale, pres., Court House, Upper Burnside Bridge 1, 80 ft. double span plate girder; Upper Burnside Bridge 2, 3 span 110 ft. rein.-con. girder; Lower Burnside Bridge, 60 ft. double span plate girder; Cush Creek Bridge, 40 ft. single span plate girder, all on Route 62. $150,000. L. C. Norris, clk.

**N. C., Nashville** — July 30, by Comrs. Nash Co., constructing bridges and culverts, 220,880 lb. reinforcing, 200,000 lb. structufral steel, 311 sq.yd. wearing surface, 150 sq.yd. grouted riprap, etc. $68,000. J. J. Wells, Rocky Mount, engr.

**South Carolina**—See "Streets and Roads."

**Alabama**—Aug. 19, by State Hy. Dept., Montgomery, bridge over Choctawhatchee River and bridge over Double Bridge Creek, near Geneva, State Project 11, Geneva Co., 46,773 lb. structural steel, 69,188 lb. rein.-forcing, 223,400 ft. treated timber and 7,130 ft. treated timber piles, etc., $75,000; and bridge on Birmingham-Warrior Rd., Jefferson Co., 278,682 lb. reinforcing, 1,591 cu.yd. concrete, etc., $50,000. W. S. Keller, highway engr.

**Miss., Biloxi** — Aug. 5, by Bd. Supervs. Harrison Co., Court House, Gulfport, Back Bay Bridge, rein.-con. with steel draw span across Bay of Biloxi, here. Hedrick, Smith & Frost, Box 407, Pass Christian, consult. engrs.; adv. E. N.-R. July 23.

**Louisiana**—Aug. 11, by State Hy. Dept., Reymond Bldg., Baton Rouge, constructing Minor Canal Bridge, State Project 325-B, Houma-Morgan City Highway, Terribonne Parish. W. B. Roberts, highway engr.

**Ohio** — July 31, by Dept. Highways & Pub. Wks., Columbus, steel bridge on Sect. J, Hampden-Andover Rd., Ashtabula Co., $28,858; concrete bridge on Sect. I, Ohio River Rd., Clermont Co., $8,204; concrete viaduct on Sect. I, Ohio River Rd., Clermont Co., $11,500; bridge and approaches on 0.13 mi. Sect. K, Cincinnati-Chillicothe Rd., in Clermont Co., $12,470; bridge on Sect. L, Ohio River Rd., Clermont Co., $74,583; steel bridge on Sect. C, Vernon-Mt. Gilead Rd., Knox Co., $21,427; bridge on Sect. "Toledo-Bridge," Detroit-Toledo Rd., Lucas Co., $56,286; bridge on Sect. "Toledo-Bridge" Toledo-Lansing Rd., Lucas Co., $54,111; concrete slab bridge on Sect. D, Piqua-Urbana Rd., Miami Co., $2,582; concrete beam bridge on Sect. D, Piqua-Urbana Rd., Miami Co., $6,462; beam bridge on Sect. H, Piqua-Urbana Rd., Miami Co., $6,064; and bridge on Sect. V, Portsmouth-Columbus Rd., Ross Co., $6,123; bridge on Sect. V, Portsmouth-Columbus Rd., Ross Co., $6,123. A. V. Donaheys, div. engr.

**Ohio**—See "Streets and Roads."

**Wis., Menomonie**—July 31, at Div. Office 6, 213 South Barstow St., Eau Claire, one 175 ft. truss span, etc., over Wilson Creek, on Federal Aid Project 370-B, Dunn Co., here, 23,340 lb. reinforcing, 220,020 lb. structural and 2,350 lb. cast steel, etc. J. T. Donaghey, Madison, highway engr.

**Wis., Racine**—July 25, by H. A. Nelson, comr. Pub. Wks., 180 to 190 ft. steel girder bridge, 36 ft. roadway, etc., at Mead St. $50,000-$60,000. Wisconsin Bridge & Iron Co., North Milwaukee (Milwaukee P. O.), engrs. Noted Feb. 5.

**Neb., Lincoln**—See "Streets and Roads."

**Mo., St. Louis** — Aug. 11, by Bd. Pub. Serv. 208 City Hall, 5 span 327 ft. rein.-con. and steel bridge over Des Peres River, at Bway., 2,930 cu.yd. grading, 40,740 cu.yd. earth excav., 6,180 ft. concrete piling, 60,283 cu.ft. concrete paving, etc. $105,500. L. R. Bowen, 301 City Hall, engr. Noted Dec. 18.

**Tex., Boston**—See "Streets and Roads."

**Tex., San Angelo**—City and Tom Green Co. taking bids steel concrete and timber bridge across North Concho River, on Abe St. $40,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted Apr. 30.

**Tex., Uvalde**—See "Streets and Roads."

**Calif., Mill Valley** — Aug. 4, by City Trustees, rein.-con. bridges to replace ones washed out by storm. To exceed $25,000. J. C. Oglesby, Cheda Blk., San Rafael, engr. Noted July 9.

**Calif., Oakland**—Aug. 3, by Supervs. Alameda Co., concrete bridge over San Lorenzo Creek, on Hazel Ave. $32,000. G. A. Posey, Oakland, co. surv.

BIDS RECEIVED

**O., Cincinnati**—City, remodeling by placing new steel on 9 span, 900 ft. old bridge at 8th St., from Foley Constr. Co., Bondinot Ave., $48,500. Engrs. est. $62,712. Noted June 4.

**Calif., Salinas**—Monterey Co., rein.-con. bridge over Arroyo Seco River, from A. W. Kitchen, 110 Market St., San Francisco, $57,265.

**Calif., San Jose**—City, rein.-con. bridge, over Coyote Creek, on Williams St., from Noble Bros., Visalia, $33,899.

CONTRACTS AWARDED

**Pa., Dravosburg** — Allegheny Co. (Pittsburgh), rebuilding floor system of bridge over Monongahela River, here, to Nevid Constr. Co., Oliver Bldg., Pittsburgh, $30,650. Engrs. est. $30,000.

**Fla., Tampa** — City Comn., viaduct over railroad tracks at Lafayette St., to Roberts Supply Co., 419-21 Opera Block, Lima, O., $270,966.

**Alabama**—State Hy. Comn., Montgomery, 1,800 ft. concrete bridge with 200 ft. steel draw span for steamboats, on Bee Line Highway at Decatur, Morgan and Limestone Counties, to Koss Constr. Co., Ft. Des Moines St., Des Moines, Ia., $343,100. Engrs. est. $350,000. Noted June 18.

**Alabama**—State Hy. Dept. Montgomery, steel and rein.-con. bridge, on Thompsonville-Grove Hill Rd., State Project 21-B, Clarke Co., to Lamb & McLemore, Eutaw, $42,833. Noted June 4.

**Alabama**—State Hy. Dept., Montgomery, several small bridges on Grovehill-Thomasville Rd., Clark Co., to Lamb & McLemore, Eutaw, $42,833; on Opelika-La Fayette Rd., Lee and Chambers Counties, to McCoy & Garrett, Montgomery, $19,136. Noted June 4.

**La., Oberlin**—See "Streets and Roads."

**Wis., Milwaukee**—F. Schumacher, secy. Park Bd., City Hall completing rein.-con. bridge and runways, at Mason St., to Bentley Bros., 808 South Pierce St., $294,764. Noted June 25.

**Missouri**—State Hy. Dept., Jefferson City, one 35 ft. and two 30 ft. rein.-con. deck girder spans, etc. over Chicago, Burlington & Quincy R.R. tracks, also three 45 ft. rein.-con. deck girder spans, etc. over middle fork Chariton River, both Macon Co., to M. Haase, St. Joseph, $7,723 and $9,450 respectively; one 40 ft. rein.-con. deck girder span, etc. over Grindstone Creek, DeKalb Co., to Metropolitan Paving Co., St. Joseph, $6,549; two 40 ft. rein.-con. deck girder spans, etc. over Hogard Creek, and three 80 ft. rein.-con. arch spans, etc. over Barren Fork, both in Ozark Co., to Republic Concrete Constr. Co., Republic, $5,300 and $17,975 respectively; three 80 ft. rein.-con. arch spans, etc. over Sinking Creek, Shannon Co., to Public Wks. Constr. Co., Century Bldg., St. Louis, $33,480; five 110 ft. rein.-con. arch spans, etc. over Meramec River, and six 20 ft. rein.-con. slab spans, etc. over Yadkin River, both in Crawford Co., to Littrell & Sprague, Wichita, Kan., $52,302 and $7,224 respectively; two 12 ft. rein.-con. slab, etc. over Midway Creek, Barton Co., to Koss Constr. Co., Ft. Des Moines, Des Moines, Ia., $3,274; one 55 ft. steel truss span, etc. over Chicago, Rock Island & Pacific R.R. tracks, Franklin Co., to Fluekiger & Jacobs, Union, $5,530. Grand total $148,806. Noted July 16.

**Arkansas**—State Hy. Dept., Little Rock, one 75 ft. and two 70 ft. concrete arch span bridges, also three 30 ft. I-beam and girder bridges, over Frog Bayou, Federal Aid Project 216-B, to Luten Bridge Co., Mercantile Bldg., Knoxville, Tenn.; steel and concrete bridge over L'Anguilla River, near Marianna, to Vincennes Bridge Co., Vincennes, Ind., $28,783; steel and concrete bridge on Mana-DuQueen Rd., to A. C. Higginbottom, Mena, $7,537; 2 steel and concrete bridges over Fourche River, near Boles, to Boardman Co., West Maple St., Oklahoma City, Okla., $48,929. Noted June 18.

**Tex., Alpine**—See "Streets and Roads."

**Tex., Cameron**—See "Streets and Roads."

**Tex., Cotulla** — La Salle Co., G. A. Welhausen, judge, steel span and timber piling bridge across Nueces River, to Austin Bridge Co., 1815 Clarence St., Dallas, $28,663. Noted July 16.

**Tex., San Antonio**—San Antonio Public Service Co., will build steel bridge across San Pedro Creek on Nogalitos St. by day labor. $30,000. Private plans.

**California** — State Hy. Comn., Forum Bldg., Sacramento, 5 x 5 ft. rein.-con. box culvert opening 94 ft. long with wing walls, at Fall Creek, rein.-con. girder bridge, 24 ft. wide, across High Bridge Creek, 45 ft. rein.-con. box culvert 5 x 5 ft. opening with retaining wall and wing walls, at Cleveland Dam, all in Santa Cruz Co., to A. J. and W. A. Wilson Co., St. Helena, $13,004. Engrs. est. $13,809. Noted June 4.

**Calif., Los Angeles** — City, bridge over Los Angeles River, at South Sherman Way, to W. R. Fontain, San Fernando Bldg., $39,465.

**Calif., Los Angeles**—To DeWaard & Son, Granger Bldg., San Diego, Universal City, Bridge over Los Angeles River, on Lankershim Blvd., 535 cu.yd. Class "A" concrete at $0.22 per cu.yd., 450 cu.yd. Class "C"

Bridges (Continued)

concrete $0.20, 2,700 lin.ft. piling $1.50, etc., total $31,750.

**Ont., Toronto**—Substructure for 1,389 ft. concrete and steel bridge, 86 ft., at Spadina Ave., to R. Miller & Sons, Lumsden Bldg., superstructure, to Canadian Bridge Co., Walkerville.

## Dams

### BIDS DESIRED

**Calif., Grass Valley**—July 30, by A. L. Wisker, Secty. Nevada Irrigation Dist., Contr. 1, constructing North Rock Fill Dam, 170 ft. high, 720 ft. crest length, 820 cu.yd. rock excav., 27,900 cu.yd. rock derrick placed, 279,000 cu.yd. rock dumped into dam, etc.; Constr. 1A, alternative to Contr. 1, omitting spillway control structure; Contr. 2, constructing South Rock Fill Dam, 110 ft. high, 430 ft. long, 495 cu.yd. excav., 13,400 cu.yd. rock derrick placed, 105,000 cu.yd. rock dumped in dam; Contr. 2A, alternative to Contr. 2, constructing South Arch Dam, 103 ft. high, 380 ft. long, 52½ bottom width, 1,850 cu.yd. excav., 18,900 cu.yd. concrete in dam; Contr. 3, Proposal A, constructing Milton-Bowman Tunnel, 21,000 lin.ft. tunnel in rock 20,140 lin.ft. unlined tunnel, 4,000 cu.yd. solid rock excav., 7,900 cu.yd. loose rock and earth excav. F. H. Tibbetts, Alaska Commercial Bldg., San Francisco, engr. Noted Mar. 19.

## Railways

### PROPOSED WORK

**Montana** — Great Northern Ry. Co., St. Paul, Minn., plans extending Bainville-Scobey branch approximately 50 mi. from Scobey to Opheim in Montana. J. R. W. Davis, ch. engr. This corrects report in July 2 issue.

**California**—D. W. Pontius, (interested), Pacific Electric Bldg., Los Angeles, plans 15 mi. railroad from San Bernardino to Lake Arrowhead. $1,000,000.

**Quebec** — Canadian Natl. Ry., 230 St. James St., Montreal, plans extending line from O'Brien to Rouyn gold field. C. B. Brown, ch. engr.

## Excavation, Drainage, Irrigation, Levees

### PROPOSED WORK

**Wis., De Pere**—City, c/o M. J. Maes, city clk., plans election $50,000 bonds deepening channel of Fox River and turning basin. Engineer not selected.

**Mo., Kansas City**—See "Sewers."

**Tex., Brownsville**—Cameron Co., election Aug. 21, $1,500,000 for irrigation project, flood prevention program, etc. O. C. Dancey, judge.

**Tex., Sulphur Springs** — Hopkins Co. Levee Impvt. Dist. 1, c/o R. M. Chaney, clk., plans levee work. $78,500. Engineer not announced.

### BIDS DESIRED

**N. Y., Brooklyn** — July 31, by M. Cosgrove, comr. Docks, Pier A, foot Battery Pl, north River, New York City, constructing basin, dredging along easterly side of Exterior Pier, here.

**Miss., Cleveland**—July 30, at office W. W. Boone, engr., Cleveland, drainage canals, incl. 100,378 cu.yd. excav., etc., for D. D. 14, Bolivar Co.

**Miss., Marks**—July 28, by Comrs. Oxbow D. D., Quitman Co., at office Clerk of Chancery Court, 5 mi. 6 and 8 ft. bottom ditches, removing approximately 55,000 cu. ft. dirt. Southern Eng. Co., Clarksdale, engr.

**Ia., Corning**—July 28 (extended date), by C. T. Mercer, aud. Adams Co., 8.54 mi. drainage ditches, incl. 543,727 cu.yd. excav., etc., for Middle Nodaway D. D. 1. Noted July 9.

**Neb., Falls City** — July 29, by C. F. Bucholz, secy. Richardson Co. D. D. 1, 165,000 yd. earth excav. main channel at lower end of Muddy D. D. to connect with Nomaha River, two 100 ft. pony truss bridge, 16 ft. roadway, etc. To exceed $25,000. C. Shildneck, Falls City, engr.

**Texas**—Sept. 1, by Comrs. Wharton Co., Conservation & Reclamation Dist. 1, Wharton, cleaning out and improving approximately 14 mi. Colorado River in Wharton and Matagorda Counties. J. P. Markham, Wharton, engr.; adv. E. N.-R. July 23.

**Tex., Crystal City**—G. M. Jowers, engr., Crystal City, taking bids rein.-con. dam, incl. 3,000 yd. concrete, 170,000 lb. reinforcing, 10,000 yd. levee embankment, etc., for Zavalla and Dimmit Co. Irrigation Dist.

**Ontario**—July 24, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, dredging at Midland $58,000, Saulte Ste. Marie $61,000, and Port Arthur $75,000.

**Quebec**—July 24, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., dredging at River St. Francois $20,000, Rivere du Loup $18,000, and Nicolet $22,000.

### BIDS RECEIVED

**N. Y., Brooklyn**—J. A. Guider, boro pres., Boro Hall, July 15 dredging Newtown Creek Canal, from J. McSpirit, Inc., 118 Wayne St., Jersey City, N. J., $20,300, Wallabout Canal from W. E. Potter, 49 Hudson St., New York City, $16,545 Gowanus Canal, from Taylor & Pearson, Inc., 65 Monticello Ave., Jersey City, N. J., $11,700; restoring public beach at Coney Island, from Arundel Corp., foot Fulton St. (1) $63,000 (2) $55,700. Noted July 9.

**N. Y., Buffalo** — Comn. Pub. Wks., dredging and widening Buffalo River at west side of channel, from Cleveland Eng. & Constr. Co., 778 The Arcade, Cleveland, O., lump sum where drilling and blasting is done. $146,000 and lump sum where drilling, blasting and channeling is done $181,000. Noted June 25.

### CONTRACTS AWARDED

**La., New Orleans**—Bd. State Engineers, 213 New Court House Bldg., 800,000 cu.yd. Bayou Maringouin, Sect. 2, Iberville Parish, to Picard Constr. Co., New Orleans, $0.2423 per cu.yd.; 73,000 cu.yd. Torras Levee, Point Coupee Parish, to Lower Coast Constr. Co., Godchaux Bldg., $0.159, 15,000 cu.yd. Woodlawn Levee and 40,000 cu.yd. Bellechasse Levee to Lafourche Basin Levee Bd. $0.14 and $0.16 respectively; and 70,000 cu.yd. Acadian Point Levee, to Taylor & Cason, Woodside $0.33.

**Ind., Martinsville** — Morgan Co., 30 mi. ditch work in Robards Drain, to A. and F. M. Hart, Sandborn, $110,957. Engrs .est. $122,000.

**Ia., Storm Lake**—Buena Vista Co., 52,000 yd. excav. in Primary Project S-27, to McGuire Bros. & Lowe, Slayton, Minn., $14,652; 41,000 cu.yd. excav. in Primary Project S-29, to J. W. Lusk, Anamosa, $9,760.

**Ia., Webster City**—J. L. Doolittle, aud. Hamilton Co., 75,354 ft. 6- to 20-in. tile in Vandie Mattiee, D.D., to Burgardt & Jensen, Britt, $14,695. Noted June 4.

**Tex., Houston**—Navigation Dist., c/o H. L. Washburn, Pier 14 with creosoted landing piles and timber walkways, also rein.-con. piling capps for grain elevator conveyors, to Raymond Concrete Pile Co., 1014 Keystone Bldg., $25,700. Engrs. est. $30,000.

## Streets and Roads

### PROPOSED WORK

**Mass., West Roxbury** (Boston P. O.)—Street Layingout Dept. Boston, plans reconstructing and improving Rosindale Ave., here. $25,000. J. F. Sullivan, secy.

**N. Y., Lackawanna** — Plans extending Ridge Rd. to connect with Orchard Park Rd. $40,000.

**W. Va., Charleston** — Charleston Independent Dist. Kanawha Co. voted $200,000 bonds completing various roads. R. R. Barton, Charleston, engr. Noted July 2.

**W. Va., Morgantown**—Election Aug. 6, $400,000 bonds paving various streets. C. McDowell, city engr.

**W. Va., Wayne**—Wayne Co. election Aug. 8. $200,000 bonds constructing roads in Butler Dist. H. O. Wiles, Westmoreland, co. engr.

**North Carolina**—State Hy. Comn., Raleigh, plans clearing, grubbing and grading 12 mi. highway from Rockingham north, Project 6610. $80,000. C. M. Upham, highway engr.

**N. C., Aulander**—Plans paving Main and Broad Sts. $40,000.

**Alabama**—State Hy. Dept., Montgomery, rejected bids July 8, grading, surfacing, etc., 1.16 mi. Brewton Rd., 20 and 26 ft., State Project 33, Escambia Co. Noted June 4.

**La., Baton Rouge**.— Election July 28, $50,000 bonds graveling Sub-Rd. Dist. 4.

**Tennessee**—Dept. Highways & Pub. Wks., and Crockett Co. (Alamo) making surveys improving 12 mi. from Alamo to Dyer Co. line. J. G. Creveling, Nashville, engr.

**Tenn., Cleveland** — Defeated $50,000 bonds, paving various streets. Noted June 25.

**Tenn., Linden**—Perry Co. plans constructing 12 mi. Meriwether Lewis Highway between Perryville and here. $25,000.

**Tenn., Maryville**—Blount Co. plans road from Alcoa to Knoxville Rd., also Maryville to Calderwood. $40,000 appropriated.

**Tenn., McMinnville** — Election Aug. 8, $75,000 bonds improving various streets.

**O., Akron** — Summit Co., plans macadam paving Richfield-Hudson Rd., $110,000; and improving Clinton-Cement-Hansher Rd., $56,000. R. E. Willems, Akron, engr.

**O., Columbus** — Making plans grading, laying necessary water services and sewer connections and paving 22,001 ft. Girard St., Parkside Rd., Camp Chase Dr., Algonquin, Letchworth, Powhattan, Sylvan, Southampton, Demorest and Deshler Aves., 24 ft., brick $549,412, asphalt $445,805; 2,997 ft. 20th Ave., 26 ft., brick $64,313, asphalt $51,476; widening 450 ft. Long St., stone block $8,344, 4 in. granite gutters $9,456, also 2,900 ft. Spring St., brick $27,563, asphalt $23,572. R. H. Simpson, city engr.

**O., Richmond**—Wayne Co., plans grading, etc., 3.7 mi. Wayne-Holmes Co. line Rd., $31,000; bituminous macadam paving 2.8 mi. West Salem Rd., $100,000; probably brick paving Apple Creek Impvt., $123,000.

**Mich., Detroit**—Made plans sheet asphalt on 8 in. concrete paving 23,500 sq.yd Coon Ave. $103,000, 3,120 sq.yd. Ford Highway, $13,720, 290 sq.yd. Lane Ave. $1,450, 4,230 sq.yd. Tyler Ave. $19,620, 2,350 sq.yd. American Ave. $10,350, 9,710 sq.yd. Chalfonte Ave. $42,730, 6,850 sq.yd. Metzger Ave. $30,080, 8,030 sq.yd. Liddesdale Ave. $35,410, 7,950 sq.yd. Grey Ave. $35,000, 19,350 sq.yd. Connors Ave., Sect. 2 $85,280, 21,336 sq.yd. Connors Ave., 8,144 sq.yd. Gray Ave., 5,556 sq.yd. Danbury Ave., 4,120 sq.yd. Peter Smith Ave., 2,857 sq.yd. Petoskey Ave., 4,333 sq.yd. Tyler Ave., 289 sq.yd. Lane Ave., 25,760 sq.yd. Coon Ave., and 6,546 sq.yd. Metzger Ave. P. A. Fellows, city engr.

**Ind., Auburn**—DeKalb Co., plans grading and graveling 4.05 mi. Morr Rd., $26,000, and 4.1 mi. Duncan Rd. $26,100, both 24 ft. C. Kain, Auburn, engr.

**Ind., Boonville**—Warrick Co., plans grading and graveling 3.9 mi. Youngblood Rd., 24 ft., $25,083. H. Larsen, Boonville, engr.

**Ind., Plymouth** — Marshall Co plans grading and graveling 3.9 mi. Waltz Rd., $25,059, and 4 mi. Bellman Rd., $26,409, both 24 ft. J. Hildebrand, Plymouth, engr.

**Ind., Richmond**—Wayne Co., plans grading and graveling 4.7 mi. Arba Pike, 24 ft. $29,500. C. H. Horton, Richmond, engr.

**Ind., Shoals**—Martin Co., plans macadam paving 8,230 ft. Freeman Rd., 30 ft. $27,200. J. L. Arvin, Shoals, engr.

**Ind., Valparaiso**—Porter Co., plans concrete paving 0.84 mi. McCord Rd., 18 ft., $25,915, and 1.72 mi. Schofield Rd., 14 ft., $68,500; macadam paving 2.02 mi. Biggart Rd. $25,190, and 2.06 mi. Nicholson Rd., $25,940, both 24 ft. F. R. McNiece, Valparaiso, engr.

**Ill., Galesburg**—Plans grading, curbing, brick on concrete paving North Pearl to Losey Sts., and Warren St. from Pearl to Rio Sts., $8,866 and $27,605 respectively. A. L. Richey, City Hall, engr.

**Ill., Belleville**—Making preliminary plans concrete paving Southern Traction roadway from Reeb Station to Illinois St. $45,000. C. A. Heinzelman, City Hall, engr.

**Ill., Marion**—Williamson Co. making preliminary plans grading and hardsurfacing Sneed Highway between Herrin and here, West Marion Twp. $42,169; and road in East Marion Twp., $13,000.

**Ill., Niles Center**—Soon takes bids curbing, guttering and concrete surfacing 81,400 sq.yd. Oakton St. $250,000. Consoer, Older & Quinlan, Marquette Bldg., Chicago, engrs.

**Ill., Peoria**—Plans grading, curbing, and concrete paving 6 blocks Blaine St. between Lincoln and Oakland Aves., 26 ft. $38,205. W. E. Backes, City Hall, engr.

**Ill., Peoria**—Plans grading, curbing and brick paving 5 blocks Garden St., 35 ft. $40,000. W. E. Backes, City Hall, engr.

**Ill., Rockford**—Plans macadam or Warrenite paving portions of Kilbarn Ave., North Horsman, North Winnebago and Mulberry Sts. $66,800. B. C. Harvey, City Hall, engr.

**Ia., Centerville** — Making preliminary plans widening and resurfacing 10 blocks Drake St. from Maple to Sheridan St. and 18th St. from Walsh to Terry Sts., resurfacing 16th St. from Sheridan to Walsh Sts., Walsh St. from 16th to 18th Sts., 18th St. from Walsh to Cottage Sts. etc. M. G. Hall, Centerville, engr.

**Minn., Minneapolis**—Hennepin Co. making plans widening and repairing 15 mi. Superior Blvd. $250,000. J. W. Shaffer, co. surv.

**Kan., Baldwin** — Making preliminary plans grading, curbing and hardsurfacing various streets. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

**Kan., Lawrence** — Douglas Co. making surveys approximately 45 mi. road work. H. A. Marshall, Topeka, engr.

**North Dakota**—State Hy. Comn., Bismarck, plans paving 1 mi. road on Red Trail, in Dickenson, $25,000; grading 12.5 mi. Westhope-Melita Rd., in Bottineau Co., $25,000.

Streets and Roads (Continued)

**Missouri** — State Hy. Dept., Jefferson City, rejected bids June 26, 30 ft. grading 12.763 mi. Ava—Gainesville Rd., Ozark Co. B. H. Piepmeier, state highway engr. Noted June 18.

**Mo., Kansas City**—Plans grading 1,000 ft. Pershing and Robert Gillham Rds., $400,000-$500,000; widening and paving Union Station Plaza, $150,000-$200,000; additions to boulevard and park systems, $10,000,000; also new traffic system, $10,000,000. Above projects are part of $38,000,000 bond issue to be submitted to voters about October 15.

**Mo., Kansas City** — Park Bd. making plans widening 71st St. To exceed $25,000. P. McGeehan, city engr.

**Mo., St. Louis**—City, **(C. B. means City Block)**, making preliminary plans grading, brick or concrete paving, etc. alleys in C. B. 410, C. B. 1245, C. B. 2813, C. B. 2868 E, C. B. 2999, C. B. 3000, C. B. 3016, C. B. 3038, C. B. 3607, C. B. 4050, C. B. 4053 B, C. B. 4364, C. B. 4411 A, C. B. 4416, C. B. 4942, C. B. 4974, C. B. 5128, C. B. 5203, C. B. 5204, C. B. 5302, C. B. 5304, C. B. 5429 C, C. B. 5544 and C. B. 5688. W. W. Horner, 300 City Hall, engr.

**Mo., St. Louis**—Bd. Pub. Serv., 208 City Hall, soon takes bids widening and paving Delmar Blvd. from Taylor St. to Kingshighway, $21,000; brick paving East Virginia St. from Wilmington to Bates Sts., $22,790; asphalt paving Dale Ave. from Manchester to Kraft Sts., $46,600; Warrenite paving North and South Utah Sts. from Grand to Gustine Sts. $54,000, and Humphrey St. from Grand to Gustine Sts., $ ,500; asphaltic concrete paving Alfred St. from Magnolia St. north $13,600, Humphrey St. from Gustine to Russell Sts. $10,500, Humphrey St. from Russell St. to Oak Hill, $7,300 and Hi Pointe Pl. from Ethel St. to United Railways, $5,800. W. W. Horner, 300 City Hall, engr.

**Mo., St. Louis**—E. R. Kinsey, pres. Bd. Pub. Wks., soon takes bids grading, etc. Skinker St. from Delmar Blvd. to Olive street Rd. $27,000, and Goodfellow Rd. from McLaren St. to Hall's Ferry Rd., $40,000; also grading and concrete paving alleys in City Blocks 5121, 1562, 1570, 1645, 2729, 2760, 2997, 3686, 5364, 5429-A and B, 4602-E, 5531, 5525 and 5127, $65,960. W. W. Horner, City Hall, engr. Noted June 11.

**Tex., Anson** — Jones Co., election soon $100,000 bonds, hardsurfacing various streets in Sagerton Dist. J. W. Puckett, Stamford, engr.

**Tex., Baird**—Callahan Co. making plans grading, bridging and asphaltic macadam surfacing 5.47 mi. State Highway 1, Federal Aid Project 52-D. $40,000. T. H. Webb, Baird, engr.

**Tex., Bay City**—Matagorda Co., making plans grading, bridging and shell surfacing 32.4 mi. State Highway 58 and 59, from Palacious to Bay City. $50,000. E. N. Gustafson, Bay City, engr.

**Tex., Boston**—Bowie Co. soon takes bids grading, bridging, etc., 5.41 mi. State Highway 8 between here and Red River, 26 ft. $28,200. F. E. Hess, Boston, engr. Noted July 23.

**Tex., Carthage**—Panola Co. plans grading and bridging 4.11 mi. State Highway 43, Federal Aid Project 481-C. $35,000. Titus & Dillon, Carthage, engrs.

**Tex., Houston** — Plans asphalt paving Kipling, Mt. Vernon, Grainstark, and Carr Sts., Missouri and Sul Ross Aves. $25,000. J. C. McVea, city engr.

**Tex., Huntsville** — Walker Co. plans grading and bridging 18 mi. State Highway 32, Federal Aid Project 439. $160,000. D. K. Caldwell, Huntsville, engr.

**Tex., Liberty** — Liberty Co., soon takes bids improving State Highway 3, Sect. B, Federal Aid Project 352 $35,000, and State Highway 3, Sect. A, Federal Project 352-A, $40,000; grading and surfacing State Highway 3, Sect. C, Federal Aid Project 352, $60,000. Former bids rejected. W. C. Youngs, Dayton, engr. Noted May 28.

**Tex., Memphis** — Hall Co. making plans grading and rein.-con. surfacing 1.12 mi. State Highway 5, Federal Aid Project 458-F, 18 ft. $42,900. C. L. Hasle, Memphis, engr.

**Tex., San Angelo**—Made plans and soon takes bids permanent paving 10 blocks various streets. C. E. Starkle, city engr. Terrell Bartlett Engineers, Inc., 614 Calcasieu Bldg., San Antonio, engrs.

**Tex., Stamford** — Plans paving various streets. $70,000. W. J. Powell, 311 South West Life Bldg., Dallas, engr.

**Tex., Stephensville**—Erath Co. voted $75,000 bonds, improving highway in Dist. 5. A. P. Young, Stephensville, judge.

**Tex., Sulphur** — Hopkins Co. making plans grading, bridging and concrete surfacing 8.84 mi. State Highway 1, Federal Aid Project 431-C. $70,100. J. B. Rieman, Sulphur Springs, engr.

**Tex., Sweetwater** — Nolan Co., making plans grading, bridging and gravel surfacing 7.82 mi. State Highway 70, State Aid Project 534-C, $110,000; and 9.1 mi. State Highway 7, $170,000. J. A. Focht, Sweetwater, engr. Noted June 18.

**Tex., Tahoka**—Lynn Co. defeated $50,000 bonds for highway improvement. C. H. Cain, Tahoka, co. judge. Noted May 21.

**Tex., Uvalde**—Uvalde Co. making plans grading, bridging and concrete surfacing 18.47 mi. State Highway 3, Federal Aid Project 360-C. $117,000. M. B. Hodges, Uvalde, co. engr.

**Tex., Waxahachie** — Ellis Co. making plans grading, bridging, bituminous on macadam surfacing 8.81 mi. State Highway 34, Federal Aid Project 487-E, 18 ft. $340,600. W. A. Spalding, Waxahachie, engr.

**Tex., Wichita Falls**—Plans election $100,000 bonds paving various streets. Montgomery & Ward, Wichita Falls, engrs.

**Okla., Chickasha** — Plans grading and sheet asphalt paving 6,500 sq.yd. 1st St. from Iowa to Georgia Aves. $30,000. R. R. Bradley, Chickasha, engr.

**Okla., Cushing**—Plans grading and concrete paving 6,850 sq.yd. Maple St. $27,000. T. E. Davenport, Cushing, engr.

**Okla., Guthrie**—Plans grading, curbing and vertical fibre brick paving 9,200 sq.yd. various alleys, Drexel and Springer Sts. $45,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Okla., Hartshorne** — Plans grading and concrete paving 7,150 sq.yd. Penn Ave. $27,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engr.

**Okla., Picher**—Plans grading and graveling 17,000 sq.yd. Main St. $30,000. G. Stein, Miami, engr.

**Okla., Seminole** — Making preliminary plans grading, curbing and vertical fibre brick paving 8,600 sq.yd. Main St. $40,000. Engineer not selected.

**Okla., Snyder**—Making preliminary plans concrete paving 8,870 sq.yd. Main St. $30,000. Engineer not selected.

**Okla., Vinita**—Craig Co. plans election $650,000 bonds constructing about 60 mi. various streets. R. Foreman, co. clk. Noted July 9.

**Nevada**—State Hy. Dept., Heroes Bldg., Carson City, making plans gravel surfacing 0.7 mi. road from Wadsworth to point 0.75 mi. east Washoe Co., 10 mi. Wells-Moor Rd., and 4 in. on railroad grade separation near Silver Zone, Elko Co., 15.5 mi. road from Dutch John's to north line of Lincoln Co. 4.6 mi. road from point 9.5 mi. east of Yerington to Lyon Co. line, 7 mi. road from Connors Pass to south line of White Pine Co., 11 mi. road from north county line to Schurz, Mineral Co.; grading 5.5 mi. road from county line to Virginia City (Geiger Grade) Storey Co., $8.37 mi. road from point 5 mi. east to point 3 mi. north of Holbrook Douglas Co., and 16 mi. Hafed-Derby Rd., Washoe Co. G. W. Borden, state highway engr.

**Wash., Tacoma** — Making plans paving McKinley Ave. from East 40th to 64th Sts. $93,148. E. C. Manley, Tacoma, engr.

**Calif., Alhambra** — Making revised plans curbing, guttering, sidewalks, grading and paving 625,043 sq.ft. Main St. between Fremont Ave. and east city limits. Former bids rejected as bidders refused to sign contracts. Noted June 11.

**Calif., Coronado** — Made plans concrete paving 500,000 sq.ft. various alleys. T. J. Allen, city engr.

**Calif., Eureka**—Plans grading and 3½ in. Warrenite-bitulithic on 3½ in. asphalt paving F St., etc. To exceed $100,000. H. Hannah, city engr.

**Calif., Fresno** — Fresno Co. made plans improving 2 mi. Sierra-to-the-Sea Highway, Rd. Dist. 9, 193,000 cu.yd. excav., 20 ft. concrete bridge, culverts, etc. To exceed $125,000. A. Segel, Griffith-McKenzie Bldg., engr.

**Calif., Oakland**—Made plans improving East 14th St. between 1st and 13th Aves., 159,896 sq.ft. grading, and 156,838 sq.ft. 2 in. Warrenite-bitulithic on 6 in. concrete paving, etc. To exceed $25,000. W. W. Harmon, city engr.

**Calif., Oakland** — Made plans regrading and waterbound macadam paving 112,800 sq.ft. Golf Links Rd. W. W. Harmon, city engr.

**Calif., Pasadena**—Municipal Impvt. Dist. 5, will not improve Holly St. between Marengo and Bway. Project abandoned. Noted May 28

**Calif., San Diego**—Common Council plans improving 3rd St. between Grape and Laurel Sts., 137 lin.ft. concrete curbing, 688 sq.ft. concrete sidewalk, 900 sq.ft. guttering, 77,100 sq.ft. 1½ in. asphaltic concrete on 3 in. bituminous paving, etc. F. A. Rhodes, city engr.

**Calif., Santa Barbara** — Making plans paving Castillo St., between Carillo and 3rd Sts., etc. $75,000 or $80,000. G. D. Morrison, city engr.

**Calif., Venice**—City Trustees, soon take new bids 5 and 6 in. concrete and 6 in. asphalt paving Washington Blvd., Westminister Ave., etc. Former bids rejected. H. D. Chapman, city engr. Noted July 16.

**Ont., Timmins**—Plans asphalt and concrete paving Spruce and Cedar Sts. $40,000. H. E. Montgomery, city engr.

## BIDS DESIRED

**Massachusetts**—July 28, by Dept. Pub. Wks., Boston, bituminous macadam paving 4,000 ft. highway in Westborough, 1,592 ft. highway in Ayer, and 9,493 ft. highway in Wrentham; rein.-con. paving 4,590 ft. highway in Taunton; bituminous concrete paving 3,950 ft. highway in Halifax, all foregoing 18 ft.; and gravel surfacing and 3 concrete bridges on 1,050 ft. highway in Conway. W. F. Williams, comr.

**Connecticut**—July 30, by J. A. Macdonald, comr. State Hy. Dept., Hartford, waterbound macadam paving roads in Norwich, Bozrah and Sharon; rein.-con. paving in Wethersfield, Norwich-Montville, Norwalk and Killingly; bituminous macadam paving in Stratford and Trumbull; concrete approach span and steel truss superstructure bridge, etc. in New Milford and East Windsor; 70 ft. span rein.-con. arch bridge in Putnam; adv. E. N.-R. July 23.

**N. Y., Brooklyn** — July 29, by J. A. Guider, boro pres., Boro Hall, grading, curbing and flagging Church Ave., Kings Highway, and 91st and 28th Sts.; paving Quentin Rd., 28th, 34th, 35th, 38th, Union, West 10th, 51st, 62nd, 72nd and 91st Sts., Marine, and 14th Aves.; curbing and grading, etc., East 34th, 35th, West 8th and 65th Sts., Rutland Rd., Rochester and 8th Aves.; resurfacing and repaving 14th Ave., Van Brunt, 22nd and 81st Sts.

**N. Y., New York**—July 30, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., asphalt block repaving East 163rd and 162nd Sts.; grading, curbing, sidewalks and sheet asphalt paving Radcliff and Rhinelander Aves.; sheet asphalt paving Webb Ave.; bituminous concrete paving 206th and 179th Sts.

**N. Y., New York**—July 30, by Park Bd. at office Dept. Parks, 64th St. and 5th Ave., repaving main road from Southern Blvd. entrance to Bronx River Parkway, also entrance and connecting roads from bridges at 200th St. and at Mosholu Parkway, in Bronx Park.

**N. Y., Rye** — Aug. 5, by W. H. Selzer, village clk., concrete sidewalks on Redfield St., Forest, Rye Beach, Hewlett and Dearborn Aves. J. A. Ehler, village engr.; adv. E. N.-R. July 23.

**N. Y., St. George** — July 28, by J. A. Lynch, pres. Richmond Boro., grading Clove Ave.; also temporary sanitary sewer in MacFarland and Crescent Aves.

**N. J., Camden** — Aug. 3, by State Hy. Comn., Trenton, constructing Delaware River Bridge Entrance Rd., Sect. 1 from 11th St. to Cooper River, here. H. W. Giffin, 8th and Market Sts., div. engr.; adv. E. N.-R. July 23.

**Pa., Ebensburg**—Aug. 7, by J. M. Hoffman, controller Cambria Co., one course rein.-con. paving 13,801 ft. road from Vintondale to Twin Rocks, 16 ft. L. R. Owen, Ebensburg, co. engr.

**Pa., Mount Union** — Aug. 3, by Boro Council, C. R. Gracey, secy., Municipal Bldg., curbing and paving 2,400 sq.yd. East Walnut St. D. W. Dillman, 91 Altoona Trust Bldg., Altoona, engr.

**Maryland** — July 28, by State Roads Comn., Baltimore, concrete paving 2 mi. Contr. M-57, Montgomery Co. J. N. Mackall, chn.; adv. E. N.-R. July 23.

**West Virginia** — Aug. 4, by State Hy. Comn., Charleston, bituminous macadam, asphaltic concrete, rock asphalt or concrete surfacing 4.86 mi. Projects 74, and 148-A, 4.43 mi. 148-B and C, 4.44 mi. 148-D and 4 mi. 148-E, and Kanawha Co., 5.5 mi. Project 3288 and 2.2 mi. Project 3264, both Logan Co., 2 mi. Project 3077 Brooks Co., 1 mi. Project 2067, and east side Fulton Hill, Project 2063 both Ohio Co., 8 mi. Project 3009-B and 7.5 mi. 3067 Wirt Co., 7.5 mi. Projects 3067 and 3125. Wirt and Roan Counties, 8 mi. Project 3125, and 3069 Roane Co., 11 mi. Project 148-F Roane Co., 5 mi. Project 146-B, Preston Co.; cold tar surface treating 6.8 mi. Project 3040 Fayette Co., 14.5 mi. Project 77 Greenbrier Co., 7.4 mi. Project 116, Kanawha Co., 4.6 mi Project 3046 Monroe Co., 10.3 mi. Projects 87, 2037 and 2038, Mason Co., 10.6 mi. Projects 2044, 3060-A, 3008, 2049 and 1085, Mercer and McDowell Counties. E. B. Carskadon, secy.; adv. E. N.-R. July 23.

**West Virginia**—Aug. 12, by State Hy. Comn., Charleston, grading, etc., 2 mi. Bulltown-Lewis Co. line Rd., Project 3017-B, Braxton Co., $50,000, H. E. Snyder, Parkersburg, engr., 0.3 mi. Toney-Big Creek Rd., Project 3282-C, Lincoln Co., $10,000, 2.7 mi. Letart-Jackson Rd., Project 139-B, Mason Co., $40,000, and 1.5 mi. Williamson-Chattaroy Rd., Project 3303-A, Mingo Co., $40,000, H. J. Spelman, Huntington, engr. latter 3 projects, 10.5 mi. Cardin Rd.,

**Streets and Roads (Continued)**

Project 3047-B, Nicholas Co., $16,000, 6 mi. Elk Mountain Rd., Project 149-A, Pocahontas Co., $100,000, H. R. Anderson, Charleston, engr. for both projects, 8 mi. Hackers-Valley-Cleveland Rd., Project 3279-B, Webster Co., $160,000, G. R. Anderson, Charleston, engr.; concrete surfacing 8.3 mi. Malissa-Salt Rock Rd., Project 3155, Cabell Co., $200,000, H. J. Spelman, R. & P. Bldg., Huntington, engr., 1 mi. Main St. of Ridgeley, Project 3309, Mineral Co., $30,000, B. E. Gray, Keyser, engr., 2 mi. Buckingham-Clarksburg Rd., Project 3238-C, Upshur Co., $110,000, W. S. Downs, Morgantown, engr.; bituminous macadam surfacing 10 mi. Glenville-Lewis Co. line Rd., Projects 82 and 3109, Gilmer Co., $200,000, H. E. Snyder, Parkersburg, engr., 6.25 mi. Shady Springs-Summers Co. line Rd., Project 3052, Raleigh Co., $120,000, and 5 mi. Hinton-Jumping Branch Rd., Projects 3054 and 1067 Summers Co., $110,000, H. R. Anderson, Charleston, engr.; 5 mi. Middlebourne-West Union Rd., Project 3163, Tyler Co., $80,000, H. E. Snyder, Parkersburg, engr., 3.7 mi. Elmore-Pineville Rd., Project 3248-A, Wyoming Co., $100,000, H. R. Anderson, Charleston, engr.; oil finish macadam surfacing 4 mi. Berkley Springs-Martinsburg Rd., Project 3030-C, Morgan Co., $100,000, and 5.2 mi. Northwestern Turnpike Rd., Project 135-B, Hampshire Co., $125,000, B. E. Gray, Keyser, engr.; grading and concrete surfacing 1 mi. Landgraf Rd., Project 2048-B, McDowell Co., $60,000, H. J. Spelman, R. & P. Bldg., Huntington, engr.; concrete shoulders for Williams Fork Pike, Project 2171, Berkley Co., $70,000, B. E. Gray, Keyser, engr.; all above roads 18 ft. E. B. Carskadon, highway engr.

**W. Va., Charleston**—Aug. 3, by Kenawha Co. Court, B N. Moulton, clk., grading 1.5 mi. road on Two and Three-Quarter Mile Creek, Jefferson Dist.

**North Carolina**—State Hy. Comn., Raleigh, plans clearing, grubbing and grading 5.9 mi. Project 671, Route 10 in Rowan Co. $40,000, 9.8 mi. Project 613, Anson Co. $65,000, 10.2 mi. Project 689, Stanley Co. $70,000, 13.4 mi. Project 612, Anson Co. $90,000, 6 mi. Project 6370, Iredell Co. $40,000, 10 mi. Project 733, Davie Co. $70,000, 16 mi. Project 542, Guilford Co. $110,000, 6.6 mi. Project 636, Gaston Co. $45,000, 6.7 mi. Project 645, Lincoln Co. $45,000, 8.1 mi. Project 6620, Richmond Co. $55,000, 7.7 mi. Project 6000, Alexander Co. $50,000. C. M. Upham, Raleigh, engr.

**Fla., Arcadia**—Aug. 11, by D. G. Barnett, pres. City Council, constructing streets, drains, sanitary sewers, waterworks improvements, city hall, etc. J. B. McCrary Eng. Corp., Atlanta, Ga., engrs.; adv. E. N.-R. July 23.

**Alabama**—Aug. 19, by State Hy. Dept., Montgomery, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, improving 0.64 mi. road in town of York, S. P. 27-C, Sumter Co., 0.4 mi. clearing and grubbing, 5,320 cu.yd. excav., 5,211 lb. reinforcing, 5,750 sq.yd. concrete, 6,740 ft. curb and gutter, 1,435 sq.yd. sidewalks, etc., $30,000; 2.85 mi. Margerum-Mississippi State Line Rd., S. P. 47-B, Colbert Co., 17,308 acres clearing and grubbing, 26,163 lb. reinforcing, 9,150 sq.yd. Bermuda sod, etc., $40,000; 10.63 mi. Evergreen-McKenzie Rd., S. P. 82, Conecuh Co., 43 acres clearing and grubbing, 126,338 cu.yd. excav. and borrow, 46,430 lb. reinforcing, 16,000 sq.yd. Bermuda sod, etc.; 16.61 mi. Birmingham-Warrior Rd., F. A. P. 149, Jefferson Co., 39.41 acres clearing and grubbing, 124,952 cu.yd. borrow, 40,084 cu.yd. rock excav., 72,200 lb. reinforcing, 40,837 sq.yd. Bermuda sod, etc., $175,000; 3.88 mi. Montgomery-Birmingham Rd., S. P. 89, Montgomery Co., 4.18 acres clearing and grubbing, 71,146 cu.yd. excav. and borrow, 8,654 lb. reinforcing, 10,000 sq.yd. Bermuda sod, etc., $40,000; 5.08 mi. Pineapple-Butler Co. line Rd., S. P. 92, Wilcox Co., 4.97 acres clearing and grubbing, 35,330 cu.yd. excav. and borrow, 12,468 lb. reinforcing, 19,765 cu.yd. sand clay surfacing, etc., also 40,488 lb. reinforcing, 33,500 lb. structural steel, and 66,948 ft. treated timber in bridges, $75,000. W. S. Keller, highway engr.

**Kentucky**—Aug. 24, by State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project)**, concrete or rock asphalt surfacing 2.42 mi. Lawrenceburg-Grafensburg Rd., 16 ft., F. A. P. 134-A, Anderson Co.; waterbound macadam, bank or river gravel surfacing 10.5 mi. Louisville-Paducah Rd., 16 ft., F. A. P. 37-A, Breckenridge Co.; grading, etc., 9.67 mi. Inez-Paintsville Rd., 24 and 28 ft., F. A. P. 139-B, Martin Co., and 1.752 mi. Inez-Paintsville Rd., 24 and 28 ft., F. A. P. 139-A, Johnson Co. E. N. Todd, highway engr.

**Ohio**—July 31, by Dept. Highways & Pub. Wks., Columbus, grading, bridging and paving roads in Ashland, Athens, Belmont, Butler, Carrol, Clark, Clinton, Coshocton, Defiance, Franklin, Greene, Henry, Huron, Knox, Licking, Lorain, Lucas, Mahoning, Marion, Richland, Ross, Scioto, Seneca, Stark, Summit, Trumbull, Washington, Wayne and Wood Counties; drainage structures on 22.299 mi. roads in Belmont, Carroll, Hocking, Meigs, Seneca and Washington Counties; gravel surfacing 21.9 mi. roads in Butler, Licking and Muskingum Counties; widening 2.568 mi. roads in Stark and Wayne Counties. A. V. Donaheys, div. engr.

**O., Akron** — July 29, by W. F. Peters, dir. Pub. Serv., grading, curbing, laying sidewalks, sewers, boulevard lights and vitr. brick paving, etc., 8,215 sq.yd. Merriman Rd., $115,000; grading, laying sidewalks and cindering 4,600 cu.yd. Shaw Ave. et al., $48,300; grading, curbing, laying sidewalks and vitr. brick paving, etc., 2,380 sq.yd. Gridley Ave. $18,000, and 1,060 sq.yd. Warner St., $15,500. E. A. Kemmler, Delaware Bldg., engr.

**O., Cincinnati** — July 24, by Comrs. Hamilton Co., concrete paving 7,100 sq.yd. Cincinnati-Zanesville Rd. $25,000. E. A. Gast, Court House, engr. Noted July 16.

**O., Cleveland**—July 29, by City, paving East 158th St., Brackland Ave. N. E., Carlos Ave. S. W., Colonial Ave. N. E., Daniel Ave. N. E., Ferris Ave. S. E., Foreman Ave., Grovewood Ave. N. E., Iowa Ave. N. E., Indiana Ave. S. E., Ironwood Ave. N. E., Clermont Rd. N. E., Glencoe Rd. N. E., Ingleside Rd. N. E. and Jasper Rd. S. W. $250,000. R. Hoffman, City Hall, engr.

**O., Cleveland** — July 29, by City, paving Aiken Rd. $27,000. F. Lauder, Court House, engr.

**O., Cleveland**—July 29, by Cuyahoga Co., grading, curbing, guttering and waterbound macadam or penetration paving 25,660 sq.yd. Walling Rd. 3, $115,288; paving Hilliard Rd. 2, $43,000. F. Lander, Court House, engr.

**O., East Liverpool**—July 25, by A. G. Ellis, serv. dir., sheet asphalt paving, etc., 5,690 sq.yd. 2nd St. $25,000, and 4,577 sq.yd. Mulbery St., $30,000. J. A. George, East Liverpool, engr. Noted July 9.

**O., Shaker Heights** (Cleveland P. O.)—July 30, by Village, asphaltic concrete paving East 164th St. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

**Ind., Auburn**—Aug. 4, by C. Kain, engr., Auburn, graveling 4.1 mi. Duncan Rd., 24 ft., $26,100; and graveling and grading 4.05 mi. Morr Rd., $26,000, both 24 ft., for De Kalb Co.

**Ind., Boonville** — Aug. 4, by H. Larsen, engr., Boonville, grading and graveling 3.9 mi. Youngblood Rd., 24 ft., for Warrick Co. $25,083.

**Ind., Indianapolis**—July 29, by Bd. Pub. Wks., grading and wooden block, brick, asphalt or asphaltic concrete paving Ashland and Parkway Aves., Mount, Tabor and 60th Sts.; cement paving Kansas St., Central and Capitol Aves., asphaltic concrete, concrete or brick paving first alley east of Pennsylvania St., first alley east of Dorman St., first alley east of Park Ave.

**Ind., Plymouth** — Aug. 4, J. H. Hildebrand, engr., Plymouth, grading and graveling 3.9 mi. 24 ft. Waltz Rd., 24 ft., for Marshall Co. $25,059.

**Ind., Plymouth**—Aug. 4, by J. H. Hildebrand engr., Plymouth, grading and graveling 4 mi. Bellman Rd., 24 ft., for Marshall Co. $26,409.

**Ind., Richmond**—Aug. 3 by C. H. Horton, engr., Richmond, gravel surfacing 4.7 mi. Arba Pike, 24 ft., for Wayne Co. $29,500.

**Ind., Shoals** — Aug. 3, by J. L. Arvin, engr., Shoals, macadam paving 8,230 ft. Freeman Rd., 30 ft., for Martin Co. $27,200.

**Ind., South Bend** — July 27, by P. R. Gillin, engr. South Bend, grading and graveling 3.85 mi. Schumacher Rd., $26,276; 3.9 mi. Woodward Rd., $27,414; and 4.2 mi. Zlutz Rd., $28,922, all 24 ft., for St. Joseph Co. Noted July 16.

**Ind., South Bend**—July 28, by Bd. of Wks., concrete paving 0.74 mi. Brookfield St., 30 ft. $29,295. F. G. Anderson, city engr.

**Ind., Valparaiso**—Aug. 4, by F. R. McNiece, engr., Valparaiso, concrete paving 1.72 mi. Schofield Rd., 24 ft., for Carter Co. $68,500.

**Ind., Valparaiso**—Aug. 4, by F. R. McNiece, engr., Valparaiso, macadam paving 2.06 mi. Nicholson Rd. $25,940, and 2.02 mi. Biggart Rd., $25,190, both 24 ft.; also concrete paving 0.84 mi. McCord Rd., $25,915, 18 ft., for Porter Co.

**Michigan**—Aug. 6, by State Hy. Dept. at office Comrs. Newaygo Co., White Cloud, concrete paving 2.635 mi. Trunk Line Rd. 54-16. G. C. Dillman, Lansing, ch. engr.

**Michigan**—Aug. 10, by State Hy. Dept. at office Comrs. Missaukee Co., Lake City, graveling 10.486 mi. Trunk Line Rd. 74-5 A, B and C. G. C. Dillman, Lansing, ch. engr.

**Michigan**—Aug. 11, by State Hy. Dept. at office Comrs. Chippewa Co., Saulte Ste. Marie, graveling 12.786 mi. Federal Aid Project 189 A. G. C. Dillman, Lansing, ch. engr.

**Michigan**—Aug. 12, by State Hy. Dept. at office Comrs. Saginaw Co., Midland, graveling 5.509 mi. Trunk Line Rd. 18-11. G. C. Dillman, Lansing, ch. engr.

**Ill., Marengo** — July 28, by Bd. Local Impvts., City Hall, concrete surfacing 11,100 sq.yd. and 1,300 ft. 10 in. vitr. tile sewers in various streets. A. L. Webster, Wheaton, engr.

**Wisconsin**—July 29, by State Hy. Dept., at Office 5, Batavia Natl. Bank Bldg., La Crosse, improving 7.04 mi. New Lisbon-Sparta Rd., Federal Aid Project 325-B, Monroe Co., 28.54 acres each clearing and grubbing 68,027 cu.yd. earth 3,414 cu.yd. solid rock, and 13,425 cu.yd. borrow excav., 12,500 lin.ft. intercepting ditches, 8,264 cu.yd. gravel surfacing, etc. J. T. Donaghey, Madison, highway engr.

**Wisconsin** — July 30, at Div. Office 9, Teller Bldg., Lancaster, improving 900 lin. ft. Boscobel-Fennimore-Dubuque Rd., Federal Aid Project 376-A, Grant Co.; also 2.06 mi. Middleton-Mazomanie-Spring Green Rd., Federal Aid Project 410-A, Iowa Co., 25,569 cu.yd. earth, 700 cu.yd. loose and 1,991 cu.yd. solid rock excav., 18,355 cu.yd. borrow, 725 cu.yd. channel change, 3,860 cu.yd. shale surfacing, etc. Option on (a) entire project (b) grading only (c) shale surfacing, on latter project. J. T. Donaghey, Madison highway engr.

**Wis., Fond du Lac** — July 31, by G. Treleven, highway comr. Fond du Lac Co., gravel surfacing 31,600 cu.yd. Brandon-Fairwater Rd., Eldorado-Rogersville Rd., County Trunk Highways N and S. J. T. Donaghey, Madison, highway engr.

**Wis., Wauwatosa**—July 31, by Bd. Pub. Wks., grading and rein.-con. paving 9,080 sq.yd. Kavanaugh Pl. and Portland Ave. $25,000. J. E. Lowther, City Hall, engr.

**Ia., Cedar Rapids**—City, July 6, improving Greenwood, Ridgeway, Fairview and Vernon Drs., 9,630 sq.yd. asphaltic concrete surfacing and 9,630 sq.yd. asphaltic concrete resurfacing, to Ford Paving Co., 208 2nd Ave., Cedar Rapids, $22,309 and $22,844 respectively. Noted June 25.

**Neb., Lincoln**—July 29, by Dept. Pub. Wks. **(F. A. P. means Federal Aid Project)**, 3 in. gravel surfacing 518,900 sq.yd. F. A. P. 2-A and 2-B, 149,000 sq.yd. F. A. P. 25, 61,300 sq.yd. F. A. P. 27, 170,650 sq.yd. F. A. P. 211, 251,699 sq.yd. F. A. P. 56, also 18,055 sq.yd. F. A. P. 123, 145,760 sq.yd. F. A. P. 143-A, 145,000 sq.yd. F. A. P. 155-A, 48,200 sq.yd. F. A. P. 171-B, 143,200 sq.yd. F. A. P. 211, 251,699 sqyd. F. A P. 56, also widening bridge at Station 676:30 on same road; grading, gravel surfacing, etc., 55,700 sq.yd. F. A. P. 56-B, 39,000 sq.yd. F. A. P. 56-C, 11,400 sq.yd. F. A. P. 153-D; grading, paving, 3 in. gravel surfacing, etc., 131,430 sq.yd. F. A. P. 98-B, 135,500 sq.yd. F. A. P. 133-E; grading, paving, 3 in. gravel surfacing, bridging, etc., 50,542 sq.yd. F. A. P. 138-A; grading, bridging, etc., F. A. P. 3; paving, etc., 680 sq.yd. F. A. P. 98-E, bridging, etc., F. A. P. 237-B.

**Neb., Lincoln**—July 30, by Dept. Pub. Wks., **(F. A. P. means Federal Aid Project)**, grading, etc., 74,400 cu.yd. F. A. P. 14-C, and 88,500 cu.yd. F. A. P. 267-A; gravel surfacing 111,500 sq.yd. F. A. P. 5, 218,000 sq.yd. F. A. P. 22, 81,000 sq.yd. F. A. P. 23, 345,000 sq.yd. F. A. P. 29, 78,400 sq.yd. F. A. P. 50-B, 45,800 sq.yd. F. A. P. 50-D, 29,400 sq.yd. F. A. P. 139-I, 74,500 sq.yd. F. A. P. 181, 188,550 sq.yd. F. A. P. 229, 65,200 sq.yd. F. A. P. 259-A; grading, gravel surfacing, etc., 174,500 sq.yd. F. A. P. 42-B, 138,500 sq.yd. F. A. P. 58-B, 27,522 sq.yd. F. A. P. 145-B, 49,630 sq.yd. F. A. P. 216-B, 43,000 sq.yd. F. A. P. 248; grading, bridging, gravel surfacing, etc, 67,600 sq.yd. F. A. P. 143-E; bridging, grading, etc., 145,360 cu.yd. F. A. P. 205-A, 122,100 cu.yd. F. A. P. 207-B, 122,000 cu.yd. F. A. P. 222-B; grading, clay surfacing, etc., 20,100 cu.yd. F. A. P. 203-A, 45,379 cu.yd. F. A. P. 200, and 31,150 cu.yd. F. A. P. 238-A. R. L. Cochran, Lincoln, engr.

**Mo., St. Louis**—Aug. 11, by Dept. Pub. Serv., 208 City Hall, **(C. B. means City Block)**, grading, concrete paving, etc. various alleys in C. B. 1266, C. B. 2906, C. B. 2928, C. B. 2968, C. B. 3070, C. B. 4391 B, C. B. 5011, C. B. 5012 E, C. B. 5012 W, C. B. 5280, C. B. 5242, C. B. 5318, C. B. 5558, C. B. 5561, C. B. 5571, and C. B. 5292, also 18 ft. concrete sidewalks in various parts of city. W. W. Horner, 300 City Hall, engr.

**Arkansas**—July 30, by State Hy. Dept., Little Rock, improving 18.8 mi. Federal Aid Project 225-A, Union Co., 29.14 acres clearing, 21.45 acres grubbing, 100,497 cu. yd. grading, 24,014 lb. reinforcing, 93,475 cu.yd. gravel 1 mi. haul, etc. R. C. Limerick, highway engr.

**Tex., Anderson**—Grimes Co. taking bids concrete paving 6.15 mi. State Highway 6,

Streets and Roads (Continued)

Federal Aid Project 471-C. $90,000. O. E. Seward, Jr., Anderson, engr.

**Tex., Beaumont**—July 31, by R. C. Black, engr., Beaumont asphalt on concrete paving Live Oak St. and Concord Rd., for City. $35,000.

**Tex., Boston**—Aug. 7, by F. V. Lanham, chn. State Hy. Comn., Austin, grading, bridging, etc., 5.4 mi. New Boston-Red River Rd., State Highway 5, 26 ft., 28,725 lb. reinforcing, 13,798 ft. treated timber, etc. $28,215. F. E. Hess, New Boston, engr. Noted Apr. 30.

**Tex., Uvalde** — Uvalde Co., taking bids grading and bridging 8.47 mi. State Highway 3, Federal Aid Project 360-A. $117,000. M. B. Hodges, Uvalde, engr. Noted July 23.

**California**—Aug. 3, by State Hy. Comn., Sacramento, concrete paving 4 mi. and asphaltic macadam paving 5.8 mi. road between Laguna Beach and Newport Beach, Orange Co.; grading and surfacing with decomposed granite, gravel or broken stone 6.9 mi. road between Holtville and East High Line Canal, Imperial Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

**California**—Aug. 10, by State Hy. Comn., Sacramento, grading 3.3 mi. road between Big Bear Dam and Fawnskin, San Bernardino Co.; concrete paving 1.9 mi. road between Philadelphia and Michigan Aves., in Whittier, Los Angeles Co., also concrete paving 6.3 mi. and asphaltic macadam paving 0.4 mi. road between Latigo Creek and Las Flores Canyon, both Los Angeles Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

**Calif., Fresno**—Supervs. Fresno Co. taking bids improving Colg Creek Canyon Rd., portion of Sierra-to-the-Sea Highway, 198,300 cu.yd. excav., one 20 ft. concrete bridge, 3,500 culverts, etc. $125,000. A. Segel, Griffith-McKenzie Bldg., engr.

**Calif., Martinez** — Aug. 3, by Supervs. Contra Costa Co., improving 2 mi. road near Oakley in Div. 38, 2,939 tons rock and screenings, 167,760 sq.ft. oiling. R. R. Arnold, Martinez, co. surv.

**Calif., Mountain View** — City Trustees taking bids grading, curbing and 1½ in. Warrenite-bitulithic on 3½ in. asphaltic concrete paving Castro St. C. C. Kennedy, Call Bldg., San Francisco, engr. Noted July 16.

## BIDS RECEIVED

**Massachusetts**—Dept. Pub. Wks., Boston, July 14, bituminous macadam paving 17,741 ft. highway in Sturbridge, and 34,300 ft. highway in Cummington, from Lane Constr. Corp., Meriden, Conn., $121,676 and $134,887 respectively, 5,300 ft. highway in West Springfield, from Adams & Ruxton Constr. Co., 387 Main St., Sringfield, $71,791, 7,000 ft. highway in Lunenburg, from J. E. Watkins, 10 Fern Ave., Amesbury, $40,663, and 10,000 ft. highway in Dover, Walpole and Westwood, from McCabe & Giovanninni, 20 Central St., Boston, $66,701; hard pan surfacing 3,400 ft. highway in Savoy, from D. S. McGrath, Inc., Adams, $20,947. Noted July 16.

**Mass., Roxbury** (Boston P. O.) — Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Longwood Ave. from Huntington to Brookline Aves., here, from J. Landis, 11 Green St., Boston, $22,911. Engrs. est. $25,000. Noted July 9.

**Mass., Somerville**—City, street widening and underground drain in Middlesex and Mystic Sts., from J. H. Bannon, Hinckley St., $62,000. Noted July 16.

**N. Y., Brooklyn** — J. A. Guider, boro pres., Boro Hall, July 15, from G. M. Mandatto, 129 29th St., grading, curbing and flagging Bay Ridge Ave. $7,713, East 32nd St. $5,438, from C. Peconi, 570 18th St. Highview Ave. $1,898; from B. Turecamo Contg. Co., 8706 Bay 12th St. asphalt paving Bay Ridge Ave. $13,854, from M. J. O'Hara Contg. Co., 717 65th St., East 32nd St. $15,275, West 6th St. $2,927, from Brooklyn Alcatraz Co., 407 Hamilton Ave., Highland View Ave. $3,052, West 33rd St. $3,324, from Uvalde Asphalt Paving Co., 1 Bway., New York City, Williams Ave. $5,710; from Colgan & Colgan, Inc., 324 Jay St. granite block paving Flatbush Ave. $218,410. Noted July 9.

**N. Y., New York** — J. Miller, pres. Manhattan Boro., Municipal Bldg., July 20, grading and stone filled asphalt paving Riverside Dr. from Brusstar Constr. Co., Harlem River and 150th St., $43,754; sheet asphalt repaving Columbus Circle, from Sicilian Asphalt Paving Co., 41 Park Row, $109,536. Noted July 16.

**Louisiana** — State Hy. Dept., Reymond Bldg., Baton Rouge, improving 4.16 mi. Algiers Belle Chass Highway, Orleans and Jefferson Parishes, from Highway Constr. Co., New Orleans, $32,527; 7.75 mi. Monroe-Farmersville Highway, Union Parish, from Clarke & Junkin, Thomastown, $82,299; 6 mi. St. Francisville-Clinton Highway, East Feliciana Parish, and 2 mi. Many Zwolle Highway, from J. H. Reeves, Pearson, $32,222 and $16,927 respectively.

**Ky., Louisville** — City, July 3, from Andrews Sheet Asphalt Co., Rentchler Bldg., Hamilton, O., improving Washington St. $5,719, Wapping St. $9,679, West Main St. $22,792, Bway. $2,761, Shelby St. $26,566, Murray St. $6,994, High St. $7,795, Steel St. $3,389, Conway St. $15,373, Todd St. $11,914, Benson Ave. $5,017, from Gradison Constr. Co., Midland Trail $152,482, and St. Clair St. $4,713.

**O., Akron**—W. F. Peters, dir. Pub. Serv., July 2, (e. e. means engrs. est.) from Columbus Asphalt Paving Co., 304 Buckeye Bldg., improving Damon St., 37,000 sq.yd. vitr. brick, 2,525 lin.ft. stone curbing, 10,900 sq.ft. 4 in. concrete sidewalks, 3,200 cu. yd. earth excav., $22,164 e. e. $30,200, Madison Ave., 6,440 sq.yd. vitr. brick, 4,300 lin.ft. stone curbing, 28,400 sq.ft. 4 in. concrete sidewalks, 5,800 cu.yd. earth excav., $40,320 e. e. $54,200, 6th Ave., 1,700 sq.yd. vitr. brick, 900 lin.ft. stone curbing, 3,150 lin.ft. 4 in. concrete sidewalks 1,200 cu.yd. earth excav., $8,946 e. e. $11,800; from T. E. Shaffrey Constr. Co., 173 South Forge St., Greenwood Ave., 7,070 sq.yd. vitr. brick, 4,450 lin.ft. stone curbing, 24,800 sq.ft. 4 in. concrete sidewalks, 3,500 cu.yd. earth excav., $56,636, e. e. $53,000; from McCourt Constr. Co., 369 South Main St., Cranz Pl., 1,175 sq.yd. vitr. brick, 1,150 lin.ft. stone curbing, 1,200 sq.ft. 4 in. concrete sidewalks, 740 cu.yd. earth excav., $7,066, e. e. $9,500; from Central Associated Realty Co., 403 Ohio Bldg., grading and vitr. brick paving 920 sq.yd. Albion Ave., $3,141, e. e. $4,300. Noted June 18.

**O., Cleveland**—City, July 8, paving with (a) asphalt (b) brick (1) East 144th St. (2) East 146th St. (3) West 80th St. (4) West 99th St. (5) West 155th St. (6) West 158th St. (1 to 6 inclusive) involves 32,950 sq.yd. sheet asphalt, 20,150 lin.ft. stone curbing, 22,840 lin.ft. 4 in. drain tile gutter, 18,690 cu.yd. earth excav. (7) Forest Court (8) Lucknow Ave. (9) Mapleside Ave. (10) Methyl Ave. (11) East 43rd St. (12) East 143rd St. (13) East 129th St. (14) West 136th St. (7 to 14 inclusive) involves 33,420 sq.yd. sheet asphalt, 16,180 lin.ft. stone curbing, 17,530 lin.ft. 4 in. drain tile gutter, and 17,710 cu.yd. earth excav. (15) West 195th and 106th Sts., 23,200 sq.yd. vitr. brick or sheet asphalt, 9,700 lin.ft. stone curbing, 10,000 lin.ft. 4 in. drain tile gutter, 15,000 cu.yd. earth excav., from Garland Bros., 5806 Franklin Ave., (a1) $64,469 (a2) $38,363 (b2) $38,437 (a12) $34,696 (a13) $52,640; from Highway Constr. Co., West 112th St. and Madison Ave., (b1) $61,452 (b2) $38,437 (b12) $34,755 (b13) $53,575; from Baldwin Bros., 4500 Euclid Ave., (a3) $27,500 (b3) $31,027 (a4) $4,545; from W. E. McHugh, West 73rd St., and Wheeling & Lake Erie R.R. tracks, (a5) $6,012; from Fischer & Williams, Superior Rd., (a6) $47,425 (b6) $55,195; from Enterprise Paving & Constr. Co., 8444 Bway., (a7) $3,194 (a11) $23,223; from Gould & Maybach, 16311 Saranec Rd., (a8) $25,500 (b8) $28,875; from Rieley Bros., The Arcade, (a9) $5,088 (a10) $15,362 (b10) $18,160; from Roehl Bros., 7002 Denison Ave., (a14) $14,741 (b14) $16,726 (a15) $165,613 (b15) $162,133. Noted July 2.

**O., Cleveland**—Cuyahoga Co., improving Bliss Rd., 26,500 lin.ft. granite curbing, 26,500 lin.ft. 4 in. drain tile gutter, 45,460 sq. yd. (a) vitr. brick or (b) sheet asphalt on concrete paving, etc., from Cleveland Trinidad Paving Co., The Arcade, (a) $270,550 (b) $269,642; West Lake Rd., 3,430 lin.ft. stone curbing, 3,430 lin.ft. 4 in. drain tile gutter, 17,500 cu.yd. earth excav., 9,900 sq.yd. vitr. brick paving, from Ohio Eng. Co., Lorain, $66,737, engrs. est. $72,300.

**O., Cleveland** — Cuyahoga Co., paving, etc. 30,340 sq.yd. Cedar Rd. 4, from Ohio Contg. Co., Hunkin-Conkey Bldg., sheet asphalt $183,892, brick $200,567. Engrs. est. $233,500. Noted July 2.

**Mich., Detroit** — From Detroit Asphalt Paving Co., 909 Free Press Bldg., sheet asphalt on 8 in. concrete paving 5,217 sq.yd. Algonquin Ave., Sect. 1 $22,577, 4,435 sq.yd. Algonquin Ave. Sect. 2 $19,192, 27,563 sq.yd. Wyoming Ave. Sect. 4 $107,179, 3,471 sq.yd. Putnam Ave. $16,432, 1,481 sq.yd. Burlingame Ave $6,738; from M. R. Hanna Co., 1636 Dime Bank Bldg., 2,261 sq.yd. Shields Ave. $10,171, 7,851 sq.yd. Mackay Ave. $33,156; from Cooke Asphalt Paving Co., 1260 Penobscot Bldg., 19,551 sq.yd. Connors Ave., Sect. 3, $74,905. Noted July 9.

**Wis., Milwaukee**—Dept. Pub. Wks., July 7, asphalt repaving Jackson St. from Oneida to Ogden Aves., from White Constr. Co., 68 Wisconsin St. $24,772, Cedar St. from 13th to 16th Sts. and Cedar St. from 18th to 24th Sts., from Badger Constr. Co., 97 Wisconsin St., $9,444 and $16,504 respectively; July 8, concrete paving 4 alleys, from C. H. Slattery, 584 71st Ave., $15,005, one alley each, from F. Hilderbrand, 1042 23rd Ave. $1,340, from Parkinson Constr. Co., 322 27th St. $4,045, from Bodemann Constr. Co., 691 48th St. $3,840; from Bluhm & Son, 1298 Achilles Pl., $11,968.

**Wis., Milwaukee**—Dept. Pub. Wks., July 9, concrete paving 3 alleys, from Bodemann Constr. Co., 691 48th St., $15,979; one alley each, from N. Harris, 417 Juneau Pl., $1,461, from C. H. Slattery, 584 71st Ave. $3,764; concrete paving one alley and sandstone block paving south side Clybourn St. from 5th to 6th Sts., from J. C. Bluhm & Son, 1298 Achilles Pl., $3,810 and $5,545 respectively; 8 in. vibrolithic concrete paving Oklahoma Ave. from 5th to 11th Aves., from F. W. Blodgett, Inc., 521 Newton Ave., $44,920.

**Tex., Seguin** — Guadalupe Co., widening and increasing depth of gravel base and surfacing with 1 in. rock asphalt 5.13 mi. State Highway 3, Federal Aid Project 35-B, from P. Schriwer, Seguin, $41,436.

**Oklahoma** — State Hy. Dept., Oklahoma City, July 14, asphaltic concrete surfacing 81,860 sq.yd. Durant-Colbert Rd., Bryan Co., from Amiesite Asphalt Co., 930 Corinth St., Dallas, Tex., $73,892. Engrs. est. $75,000. Noted July 9.

**Okla., Covington**—Grading and vertical fire brick paving 14,860 sq.yd. C and Main Sts., from Highway Constr. Co., Cosden Bldg., Tulsa, $60,977. Engrs. est. $64,878.

**Colorado** — State Hy. Dept., Denver, paving Federal Aid Project 283 B, Larimer Co., from C. C. Madsen Constr. Co., 485 Williams St., $168,836, engrs. est. $206,842; graveling Federal Aid Project 262-E, Huerfano Co., from Pople Bros. Constr. Co., 748 West Main St., Trinidad, $24,979, engrs. est. $37,045.

**Wash., Longview**—City Council, paving 14 blocks L. I. D. 3, Central Manufacturing Dist., also 1.75 mi. gravel surfacing, etc. and 10 mi. sidewalks in L. I. D. 5, Olympic Addition, from Olympic Constr. Co., 1326 Northlake Ave., Seattle, $79,137 and $181,698 respectively. Engrs. est. $90,684 and $198,764.

**Calif., Berkeley** — City Council curbing, guttering, and 6 in. concrete paving Arlington Ave., from Kaiser Paving Co., Amer Bank Bldg., Oakland, $98,119. Noted July 9.

**Calif., Los Angeles**—From Griffith Co., 502 Los Angeles Ry. Bldg., improving alleys west of Carolina St., 12,400 sq.ft. 5 in. concrete paving, etc., at $0.19 per sq.ft., total $3,831, 2,120 ft. Courtney Ave., 182 lin.ft. curbing at $0.65 per lin.ft., 200 sq.ft. guttering $0.28, 1,506 cu.yd. excav. $2,300, 63,627 sq.ft. 2 in. sheet asphalt $0.30, 63,627 sq.ft. 6 in. Warrenite bitulithic paving $0.14, total $21,956, 59th St., 3,594 lin.ft. curbing $0.65, 9,000 sq.ft. guttering $0.23, 10,499 sq.ft. sidewalks $0.175, 4,490 cu.yd. excav. $4,200, 141,352 sq.ft. 1½ in. asphalt on 3½ concrete paving $0.218, total $438,221; from J. Martin, 789 Logan St., 5,000 ft. Whitsett Ave., 105 lin.ft. curbing $0.75, 15,481 cu.yd. excav. $6,000, 166,506 sq.ft. 8 in. concrete paving $0.21 total $64,972, 1,200 lin.ft. Rita St., 3,404 cu.yd. excav. $1,500, 35,068 sq.yd. concrete base $0.15, total $6,760, Redesdale Ave. and Moreno St., 17,600 cu.yd. excav. $0.37, 112,450 sq.ft. 6 in. concrete paving $0.17, etc., total $26,503; from G. H. Oswald, 366 East 58th St., 2,500 ft. Normandie Ave. between Florence and 83rd Sts., 4,957 lin.ft. curbing $0.45, 570 sq.ft. guttering $0.25, 23,949 sq. ft. sidewalks $0.14, 17,047 cu.yd. excav. $7,000, 4,678 sq.ft. 8 in. concrete paving $0.22, and 167,127 sq.ft. 6 in. concrete paving $0.17, total $50,106; from C. R. Snow, 880 West Knoll Dr., Hollywood, Edgecliff Dr., 847 lin.ft. curbing $0.60, 100 sq.ft. guttering $0.28, 1,296 sq.ft. sidewalks $0.19, 2,096 cu.yd. excav. $1,350, 13,678 sq.ft. 5 in. concrete paving $0.18, total $5,698; from Chambers & Ford, H. W. Hellman Bldg., Woodman Ave. between Sherman Way and Ventura Blvd., grading $2,880, 147,847 sq.ft. 6 in. concrete paving $0.175, rein.-con. bridge $22,343, etc., total $51,910, Victory Blvd. between Kestor and Balboa Aves., grading $2,000, 265,915 sq.ft. 6 in. concrete paving $0.164, rein.-con. culvert $2,500, etc., total $48,140.

**Calif., Los Angeles** — Los Angeles Co., from G. H. Oswald, 366 East 58th St., improving Downey Rd. between Anaheim Telegraph Rd. and Noakes St. (Co. Rd. Impvt. 410), 13,921 cu.yd. excav. $0.45 per cu.yd., 58,313 ft. curbing at $0.37, 114,381 sq.ft. 5 in. guttering $0.18, 9,103 sq.ft. 8 in. guttering $0.18, 898,186 sq.ft. oil and screenings $0.29, total $106,675.

**Calif., Merced**—Merced Co., 5½ in. asphaltic oil macadam surfacing 16 mi. Stevinson-Hillmar Sect., Rd. Dist. 8, from Granite Constr. Co., Watsonville, $209,888.

**Calif., Napa**—Napa Co., improving 2.53 mi. Silverado Trail between Little Trancas

Streets and Roads (Continued)

Bridge and Soda Canyon School, 4,300 cu. yd. excav., 3,300 cu.yd. concrete paving, etc. from T. M. Burns, 2207 N St., Sacramento, $28,945.

**Calif., San Rafael**—Curbing, guttering, sidewalks, 1½ in. Durite asphaltic concrete on 2½ in. asphaltic concrete paving 89,435 ft. Eva St., Picnic and Glenn Aves., etc., from Raisch Impvt. Co., 46 Kearny St., San Francisco, $66,548.

**Calif., San Rafael**—Marin Co., grading, curbing, guttering, and asphaltic concrete paving roads in Dist. 2, near Fairfax, from Pacific States Constr. Co., Call Bldg., San Francisco, $99,109.

**Calif., South San Francisco**—From C. W. Cushing, 2005 Roosevelt Way, Richmond, 6,500 cu.yd. grading at $0.60 per cu.yd., 147,000 sq.yd. 5 in. concrete paving $0.19, 16,500 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete $0.24, 1,200 lin.ft. curbing $0.16, 5,600 sq.ft. sidewalks $0.16, total $37,706.

## CONTRACTS AWARDED

**Massachusetts**—Dept. Pub. Wks., Boston, bituminous macadam surfacing 1,485 ft. highway in North Andover, to M. McDonough, Humphrey St., Swampscott $9,129, 5,207 ft. highway in Dracut, to G. O. Allen, Dracut, $22,657; bituminous concrete surfacing 6,438 ft. highway in Nantucket, to M. F. Roache, 355 Spring St., Bridgewater, $27,175; rein.-con. bridge and bituminous macadam paving 2,351 ft. highway in Harvard, to R. E. Bull, 151 Harrison Ave., Fitchburg, $24,633; steel bridge and gravel surfacing 3,400 ft. highway in Tolland and Sandisfield, to C. B. Lindholm, 24 Norton St., Pittsfield, $64,277. Grand total $147,869. Noted July 16.

**Massachusetts**—Dept. Pub. Wks., Boston, bituminous macadam paving 5,600 ft. highway in Wayland, to Middlesex Constr. Co., Framingham, $27,858. Noted July 9.

**New York**—R. K. Fuller, comr. Canals & Waterways, Albany, constructing pavements and completing approaches of bridge across Mohawk River between Schenectady and Scotia, Contr. 4, to J. W. Holler, Inc., Ft. Edward, $215,641. Noted July 2.

**Pennsylvania** — Dept. Hys., Harrisburg, grading and rein.-con. paving 19,920 sq.yd. Route 20, Old Lycoming Loyalsock Twp. Rd., Lycoming Co., to A. W. Hinaman, Somerset, $100,632; grading and concrete paving 52,100 sq.yd. Application 2696, Upper-Lower Pottsgrove-New Hanover Twp. Rd., Montgomery Co., to Souder Constr. Co., Woolworth Bldg., Lancaster, $203,231. Noted July 16.

**Pennsylvania**—State Dept. Hys., Harrisburg, to Johnson & Kearns, Box 193, Du Bois, improving Route 118 Bentleyville-Elsworth Baros Rd., Washington Co., 10,050 cu.yd. excav. at $1.50 per cu.yd., 13,155 sq. yd. 6 and 8 in. concrete paving $3.40 and $3.50 per sq.yd.

**Pennsylvania**—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, rein.-con. paving 93,280 sq.yd. R. 142, Delaware and Montgomery Counties, to Ambler-Davis Co., Harrison Bldg., Phila., $411,940, 11,642 sq.yd. R. 260, Blair Co., to B. L. McKillip, Hollidaysburg, $51,975, 8,407 sq.yd. R. 149, Lebanon Co., to Juniata Co., Empire Bldg., Phila., $33,925; concrete paving 48,474 sq.yd. R. 91, Sect. 5, Venango Co., to Rockford Constr. Co., Rockford, O., $210,652; asphaltic concrete paving 21,155 sq.yd. R. 167, A. 2195, Monroe Co., to Warren Bros., Parkman Bldg., Boston, Mass., $104,707. Grand total $813,199.

**Pa., Pittsburgh** — Allegheny Co. **(e. e. means engrs. est.)** rein.-con. paving 4,650 ft. Squaw Run Route A, O'Hara Twp., to D. W. Challis & Sons, Inc., Sewickley, $74,981 e. e. $75,000, 8,784 ft. Baldwin Rd., Robinson Twp., to McPherson Bros., 421 Chestnut St., Sewickley, $141,333 e. e. $150,000; grading and rein.-con. paving 12,032 ft. McMurray Rd., Bethel Twp., to Matthews Bros. Constr. Co., Pittsburgh, $120,934 e. e. $125,000. Grand total $337,248. Noted July 18.

**Pa., Phila.**—Delaware River Bridge Joint Comn., Widener Bldg., grading, paving, etc., along Phila. approach between Delaware Ave. and 4th St. and in adjacent streets for bridge over Delaware River connecting Phila., Pa., and Camden, N. J., Contr. 23, to Mazzola & Marano Co., 739 South 7th St., $495,512. Noted June 25.

**Pa., Williamsport**—City Council, B. C. Houck, clk., rein.-con. paving, 6,387 lin.ft. West 4th St., 18 ft., to Union Paving Co., 30th and Locust Sts., Phila., $58,759. Noted July 9.

**Md., Baltimore**—Bd. Awards, grading 24,100 cu.yd. Contr. 290 OA, to Potts Co., New Amsterdam Bldg., $11,001; concrete paving 6,800 sq.yd. Contr. 292 OA, to Development & Contg. Co., Amer. Bldg., $16,783. Noted July 16.

**Md., Baltimore** — Bd. Awards, grading 33,000 cu. yd. Contr. 291 OA, to T. Bresnan, 2018 West North Ave., $17,490. Noted July 16.

**Md., Baltimore**—Bd. Awards, sheet asphalt paving Contr. 294-OAOC, to P. Flanigan & Sons, Harford Rd., $46,202; concrete paving 12,200 sq.yd. Contr. 293-OANA, to Aiello Constr. Co., 4th and Gough Sts., $33,998. Noted July 2.

**W. Va., Fayetteville** — T. Boone, clk. Fayette Co., oil asphalt paving 6 mi. road from Kincaid to near Robson, to Jauntolo & Co., Fayetteville, $72,808. Noted June 11.

**W. Va., Philippi**—Barbour Co., grading and bituminous macadam paving, etc. 3 mi. Taylors Drain Clemtown Rd., Project 9, to Marara & Albright, Albright, $67,988; 2 mi. Bear Balley Rd., Project 1, to Williams & Rhoades, Elkins, $44,321; and 4 mi. Phillippi Rd., Project 10, to J. L. Holbert & Sons, Shinnston, $100,445. Grand total $212,754. Noted June 18.

**N. C., Beaufort** — Bd. Comrs. Carteret Co., hardsurfacing 12 mi. various roads, to Simmons & Co., c/o owner, Beaufort, about $250,000.

**Alabama**—State Hy. Comn., Montgomery, bituminous concrete surfacing 0.9 mi. Madison Ave., in Capital Heights, suburb of Montgomery, Montgomery Co., to Hodgson & Jones, 1st Natl. Bank Bldg., Montgomery, $58,558. Engrs. est. $59,000.

**Alabama**—State Hy. Dept., Montgomery, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, grading and gravel surfacing 6 mi. Thompsonville-Marengo Co. line Rd., 18 and 26 ft., S. A. P. 21-B, and gravel surfacing 16.25 mi. Grove Hill-Thompsonville Rd., 18 ft., both Clark Co., to Newell Constr. Co., 3828 Ave. A, Birmingham, $130,000 and $243,341 respectively; gravel surfacing 22 mi. Opelika-Lafayette Rd., 18 ft., S. A. P. 9, Lee and Chambers Counties, to J. W. Gwin, Hamilton Sta., Ensley, Birmingham, $232,733, 5.5 mi. Alexander City-Kellyton Rd., 18 ft., S. A. P. 28, Tallapoosa Co., to T. B. Turner, Columbiana, $79,848; grading and concrete surfacing 11.5 mi. Mobile-Theodore Rd., 18 ft., F. A. P. 146-C, Mobile Co., to J. Fromherz, Title Guarantee Bldg., New Orleans, La., $217,051; grading and bituminous concrete surfacing 0.969 mi. Madison Ave.-Capitol Heights Rd., 18 and 26 ft., S. A. P. 91, Montgomery Co., to Hodgson & Jones, 1st Natl. Bank Bldg., Montgomery. Noted June 4.

**Ala., Decatur** — Asphalt resurfacing 15 blocks Ferry, Lee, Bank, Railroad, Vine, LaFayette and Church Sts., 25, 40 and 60 ft., to Independent Paving Co., Amer. Trust Bldg., Birmingham, $25,000.

**Miss., Corinth**—J. A. Lowe, mayor and Bd. Aldermen, grading, curbing and sheet asphalt paving approximately 36,900 sq.yd. various streets, to Carey-Reed Co., 634 West 2nd St., Lexington, Ky., approximately $106,000. Noted June 11.

**La., New Orleans**—Temporary surfacing with natural sand clay gravel 875 ft. Barataria St., 1,656 ft. Harding Pl., and 5,537 ft. Moss St., to E. J. Deas Co., Inc., Shreveport; shell surface with cinder blanket course 4,393 ft. Behrman St., 8,609 ft. Belleville St., 2,558 ft. Bermuda St., 3,632 ft. Bruxelles St., 1,280 ft. Duplessis St., 3,268 ft. Elmira St., 1,919 ft. Gibson (Madison) St., 1,920 ft. La Freniere St., 1,279 ft. Lavergne St., 2,954 ft. Lizardi St., 6,673 ft. Milton St., 5,626 ft. Numa St., 2,099 ft. Park Blvd., 3,429 ft. Rousselin St., and 4,284 ft. Sumner St., to J. O. Chisolm & Co., 4126 Banks St.; washed gravel and binder surface with sand blanket course 4,646 ft. Belfort St., 7,765 ft. Casa Calvo St., 10,448 ft. Delery St., 9,325 ft. Jena St., 2,432 ft. Paris Ave., and 10,642 ft. Vernon (Flood) St., to O'Reilly Eng. Co., Inc., New Orleans, 9,165 ft. Farragut St., and 3,145 ft. LePage St., to W. E. Geren, New Orleans, 30,850 ft. Moss St., to W. H. Bond & Bros., New Orleans; subsurface work on Audubon Blvd., Claiborne Ave. S. from South Carrollton Ave. to Calhoun St., Claiborne Ave. S. from Calhoun St. to Napoleon Ave., and Claiborne Ave. S. from Napoleon to Louisiana Aves., Genl. Pershing, Johnson, Marengo, Melpomene, Robertson, St. Andrew, 2nd and Valence Sts., to Fresh & Oliveira, New Orleans, Bouny St., to M. Mitchell & Sons, New Orleans, Claiborne Ave. S. from Protection Levee to North Carrollton Ave., and St. Bernard Ave. extension, to E. J. Deas Co., Inc., Shreveport, Franklin Ave., Poydras St. from South Claiborne Ave. to Bertrand St., Poydras St. from Bertrand to South Rocheblave Sts., Robertson St. N., and St. Bernard Ave. from North Broad to Abundance Sts., to J. O. Chisolm Co., New Orleans, St. Bernard Ave. from North Claiborne Ave. to St. Claude St., to A. P. Boh & Co., 417 Baronne St.; Warrenite bitulithic paving 12,900 sq. yd. Claiborne Ave. S. from Protection Levee to North Carrollton Ave., 28,190 sq.yd. Claiborne Ave. S. from South Carrollton Ave. to Calhoun St., and 12,270 sq.yd. St. Bernard Ave., to Craven & Lang, Carondelet Bldg.; bituminous concrete paving 9,640 sq. yd. Audubon Blvd. Uvalde rock asphalt paving 3,220 sq.yd. Bouny St., 23,230 sq. yd. Franklin Ave., 18,560 sq.yd. Marengo St., 950 sq.yd. Robertson St. N., 2,610 sq. yd. Robertson St. S., 930 sq.yd. St. Andrew St., 5,190 sq.yd. 2nd St., 12,130 sq.yd. Valence St., sheet asphalt paving 29,120 sq. yd. Claiborne Ave. S. from Calhoun St. to Napoleon Ave., 13,000 sq.yd. Claiborne Ave. S. from Napoleon to Louisiana Aves., oil asphalt paving 830 sq.yd. Genl. Pershing St., rein.-con. paving 2,610 sq.yd. Johnson St., vitr. brick paving 18,500 sq.yd. Melpomene St., 2,640 sq.yd. Poydras St. from South Claiborne Ave. to Bertrand St., 11,650 sq.yd. Poydras St. from Bertrand to South Rocheblave Sts., 10,400 sq.yd. St. Bernard Ave., and 1,310 sq.yd. St. Bernard Ave. extension, to E. J. Deas Co, Inc., Shreveport.

**La., Oberlin**—Allen Parish Jury, grading and graveling, etc., 11.47 mi. various streets in 4th Ward, to Byrd & Clopton, Oberlin, $39,912; bridges, to J. A. Hanchey, Oberlin, $20,802.

**O., Akron** — Summit Co., **(e. e. means engrs. est.)** grading and slag paving, etc. 2.73 mi. Monroe Falls-Kent Rd., to V. B. Proehl, Ravenna, $25,605 e. e. $27,000; grading, curbing and bituminous macadam paving 17,200 sq.yd. Cuyahoga Falls-Magadore Rd., and 6,000 sq.yd. South Main St., to McCourt Constr. Co., 369 South Main St., $63,848 and $24,224 respectively e. e. $74,000 and $26,400 respectively. Grand total $113,663. Noted July 16.

**O., Canton**—City, **(e. e. means engrs. est.)** repressed brick paving 2nd St., and grading and sidewalks, etc. on Dewey Pl. N. W., to Garaux Bros. Co., 415 9th St. S. W., $51,260 and $26,372 respectively, e. e. $50,000 and $25,000 respectively; asphalt paving Dewalt Ave. S. W., to General Asphalt Paving Co., 312 3rd St. N. W., $47,263, e. e. $50,000. Grand total $124,895. Noted Mar. 12.

**O., Cleveland** — To Cleveland Trinidad Paving Co., The Arcade, improving Willowdale Ave. $35,819, East 65th St. $103,213, West 3rd St. $90,095. Work involves 113,070 sq.yd. asphaltic concrete, 3,050 lin.ft. stone curbing, 3,150 lin.ft. 4 in. drain tile gutter and 3,900 cu.yd. earth excav.

**O., Columbus** — W. H. Duffy, dir. Pub. Serv., to Yale Ave. Constr. Co., 146 Yale Ave., grading, laying necessary water services and sewer connections, and concrete paving 386 ft. alley north Dodridge St. $2,240, 250 ft. alley north King Ave., $1,466; to R. G. Dienst, 480 South 5th St., 492 ft. alley west Ebner St. $2,343, 337 ft. alley west High St. $1,942, brick paving 698 ft. Wager St., $14,123; to A. W. Burns Constr. Co., 316 South High St., trinidad asphalt paving, etc. 1,483 ft. Westmoor Ave., $22,887. Grand total $45,001.

**O., Columbus** — C. C. Lattimer, surv. Franklin Co., paving 3,467 ft. Chesterfield Rd., 26 ft., to L. L. Aller, Worthington, $57,088.

**O., Euclid** — Asphaltic concrete paving East 265th St. and Arms Ave., to F. B. Stein, Euclid, $28,507. Noted July 2.

**Ind., Hartford City**—Blackford Co., asphalt paving 3.8 mi. Chestnut St. Rd., 24 ft., and concrete paving 1.6 mi. Walnut St. Rd., 18 ft., to Emulsified Asphalt Co., Hume-Mansur Bldg., Indianapolis, $84,125 and $33,434 respectively. Engrs. est. $92,000 and $35,000 respectively.

**Michigan** — State Hy. Dept. at office Comrs. Ottawa Co., Grand Haven, concrete paving 4,000 ft. Ferrysburg Spring Lake Rd., to Charlevoix Abstract & Eng. Co., Charlevoix, $60,000.

**Michigan** — State Hy. Dept., at office Comrs. Saginaw Co., Saginaw, graveling 3.5 mi. County Assessment Dist. 95, to T. McNally, Saginaw, $25,899.

**Mich., Port Huron** — E. C. Fitzpatrick, city clk., concrete paving 13th St., to J. H. Baker & Sons, Port Huron, $68,844. Noted June 11.

**Michigan** — State Hy. Dept. at office Comrs. Menominee Co., Menominee, graveling 14 mi. county road through village of Carney, to Kayser, Kaczmanzyk & Dolsky, Daggett, $75,589.

**Mich., Detroit**—To Bishop & Weir, 1305 Lafayette Bldg., concrete paving 3,100 sq. yd. Alley 2322 $7,986, 3,730 sq.yd. Alley 2323 $8,336; to R. J. Powelson Co., 6530 Epworth Blvd., 3,275 sq.yd. Alley 2324 $5,823, 1,570 sq.yd. Alley 2328 $3,763; to Otis Cement Constr. Co., 806 Hammond Bldg., 825 sq.yd. Alley 2325 $2,086, 650 sq.

Streets and Roads (Continued)

yd. Alley 2326 $1,697, 695 sq.yd. Alley 2329 $1,690, 637 sq.yd. Alley 2330 $1,714, 593 sq.yd. Alley 2331 $1,501, 488 sq.yd. Alley 2332 $1,195, 467 sq.yd. Alley 2333 $1,180.

**Ill., Astoria** — Local Impvts., grading, curbing and rein.-con. surfacing 21,158 sq. yd. Main St., etc., to Keokuk Quarry & Constr. Co., Keokuk, Ia., $57,872. Noted June 25.

**Ill., East St. Louis**—Grading, curbing and paving 1,000 ft. State St., to Keeley Bros. Constr. Co., 21st and States Sts. $21,697. Noted July 9.

**Wis., Milwaukee**—Clerk Milwaukee Co., to Badger Constr. Co., 97 Wisconsin St., asphaltic concrete paving 2,600 sq.yd. Oklahoma Ave., $11,268; to Kroening Constr. Co., 39th Ave. and Mitchell St., concrete paving 13,500 sq.yd. Lover's Lane "C," $31,-320, Lover's Lane "E" $4,919 and Chicago No. 2 "A" $9,844. Grand total $57,351.

**Ia., Madrid**—Grading, curbing and paving 12 blocks various streets, to M. L. Flinn Paving Co., Sioux City. Engrs. est. $40,000.

**Ia., Stanton** — Grading, curbing, sewers and granite concrete surfacing 34,000 sq.yd. various streets and alleys, to C. F. Lytle Constr. Co., 904 Nebraska St., Sioux City, $81,569. Noted June 18.

**Missouri**—State Hy. Dept., Jefferson City, to M. E. Gillioz, Monett, 20 ft. gravel surfacing 4.38 mi. Cuba-Steelville Rd., Crawford Co., $62,811, grading and 18 ft. concrete paving 1.989 mi. Galloway-Rogersville Rd. $48,096, 20 ft. gravel surfacing 0.496 mi. same road $9,846, all in Greene Co.; to Fluekiger & Jacobs, Union, 20 ft. gravel surfacing 6.204 mi. road from Union west, Franklin Co., $56,528; to List & Hallett Constr. Co., Kansas City, grading and 18 ft. concrete paving 4.861 mi. road from Trenton south, Grundy Co. $97,617, to Metropolitan Paving Co. St. Joseph, 4.735 mi. Stewartsville-Cameron Rd. $83,-415, 4.871 mi. same road, DeKalb Co. $75,-792, to Koss Constr. Co., Ft. Des Moines, Des Moines, Ia., 4.337 mi. Lamar-Jasper Rd., Barton Co., $88,257 and 2.66 mi. same road, $59,241; to M. Haase, St. Joseph, 30 ft. grading 2.793 mi. Callao-Macon Rd., Macon Co. $22,154, and 2.466 mi. same road $26,639, to C. F. Johnson & Sons, Buffalo, 4.557 mi. Philipsburg-Lebanon Rd. $20,598, 3.031 mi. road from Conway, north and south, Laclede Co. $13,251, to Republic Concrete Constr. Co., Republic, 0.433 mi. Ave-Gainesville Rd., Ozark Co., $4,031; to H. R. Boone, St. Louis, 12 ft. gravel surfacing 4.402 mi. Warrenton-Hopewell Rd., Warren Co., $32,745; to Buffalo Constr. Co., Buffalo, 18 ft. gravel surfacing 4.906 mi. Macks Creek-St. Louis Rd., Camden Co., $25,683; to Littrell & Sprague, Wichita, Kan., 20 ft. gravel surfacing 0.313 mi. Cuba-Steelville Rd., Crawford Co. $3,783, to J. A. Kerr, Ozark, 2.293 mi. road from Galena south, Stone Co. $3,430, to J. M. Birmingham, Vienna, 4.828 mi. Linn-Mt. Sterling Rd. $32,864, 1.026 mi. loose Creek-Linn Rd. $2,080 both Osage Co., to Farrell & Dubroilett, Linn, 3.296 mi. Linn-Sterling Rd., Osage Co. $28,683. Grand total $802,-731. Noted July 16.

**Mo., Joplin**—Grading, paving, etc., 16,000 sq.yd. 7th St., etc., to H. B. Dawson, Carrollton, Ill., at $1.55 per sq.yd. Noted May 28.

**Mo., Palmyra**—H. M. Howard, city clk., grading, curbing and rein.-con. paving 10.5 blocks various streets, to Western Constr. Co., 2204 23rd Ave., Moline, Ill., $53,809. Noted July 2.

**Mo., Palmyra** — Marion Co. grading and gravel surfacing 16.55 mi. Franklin-Monroe City-Ely Rd., 16 ft., to S. P. O'Dill, Hannibal, $34 762.

**Arkansas**—State Hy. Dept., Little Rock, **(F. A. P. means Federal Aid Project)**, grading, gravel surfacing, etc., 2.03 mi. Texarkana-Arkansas-Louisiana Rd., F. A. P. 214, Miller Co., to McWilliams Dredging Co., 332 Michigan Blvd., Chicago, Ill., $43,-069, 2.1 mi. F. A. P. 183-D, Lee Co., to W. D. Banker, Memphis, Tenn., $20,310, 5.7 mi. Jonesboro-Egypt Rd., F. A. P. 220-A, and gravel surfacing 3.8 mi. F. A. P. 180-C, both Craighead Co., to C. L. Hager, Augusta, $6,594 and $2,539 respectively; grading and gravel surfacing 5.5 mi. Bay Rd., and St. Francis road extension, F. A. P. 179-B, Poinsett Co., to C. Gregory, Little Rock, $21,214, 5.4 mi. F. A. P. 201-B, Nevada Co., and gravel surfacing 2.6 mi. Ogden-Index Bridge Rd., F. A. P. 222-A, Little River Co., to N. M. George Contg. Co., Shreveport, La., $36,927 and $13,414 respectively; bituminous surfacing, etc., 5.7 mi. Jonesboro-Egypt Rd., Craighead Co., and 4 mi. Conway-Palarm Rd., near Mayflower, to Mobly Constr. Co., Morrillton, $7,623 and $6,946 respectively, 4.3 mi. Almyra-South Rd., F. A. P. 206-A, to Hogan Constr. Co., 835 Southern Trust Bldg., Little Rock, engrs. est. $60,000; grading, bridging, etc., 12.9 mi. Magnolia-Village Rd., F. A. P. 232-A, Columbia Co., to Torrent & Miles, El Dorado, $43,336; gravel surfacing 11.9 mi. F. A. P. 187-A, Sebastian Co., to J. S. McCord & J. O. Nuckolls, Ft. Smith, $20,401, 5.75 mi. Foreman-Lewis Rd., F. A. P. 203-A, Little River Co., to Mississippi-Arkansas Constr. Co., Little Rock, $31,403, 1.6 mi. F. A. P. 224-A, Little River Co., Ashley Co., to M. McMurray, Lake Village, $4,928, 3.9 mi. F. A. P. 213-A, Chicot Co., to J. D. and R. P. Simms, Capleville, Tenn., $7,802. Noted June 18 and 25.

**Ark., Little Rock** — Grading, curbing, Warrenite on 5 in. concrete paving 10 blocks Paving Dist. 400 (West 4th St.), to M. D. L. Cook, Southern Trust Bldg., $48,541.

**Tex., Alpine**—J. A. Burke, judge Brewster Co., grading, grubbing, bridging, etc. 5.13 mi. State Highway 3, Federal Aid Project 378-E, 11,616 cu.yd. loose and 2,907 cu.yd. solid rock excav., 64,144 lb. reinforcing, etc., to Thurber Constr. Co., Fort Worth, $53,253. Engrs. est. $49,084. Noted June 4.

**Tex., Cameron** — Milam Co., grading, bridging and gravel surfacing 7.6 mi. State Highway 36, Federal Aid Project 359, 18 ft., to Evans & Greathouse, 500 West 15th St., Austin, $86,060. Noted June 25.

**Tex., Houston** — Rock asphalt paving Taft St. from West Dallas to West Webster Aves., from S. Shambaugh, 1400 Dowling St., $35,955. Engrs. est. $35,000.

**Oklahoma** — State Hy. Dept., Oklahoma City, grading, concrete paving, etc. 32,-998 sq.yd. Garber Rd., to Hyde Constr. Co., Amer. Bank Bldg., Enid, $81,027, engrs. est. $75,000; vertical fibre brick paving 32,367 sq.yd. South Harrah Rd., Oklahoma Co., to Green-Beekman Co., 519 West Main St., Oklahoma City, $86,337. Engrs. est. $90,000. Noted Jan. 4.

**Oklahoma** — State Hy. Dept., Oklahoma City, grading, etc. 6 mi. Federal Aid Project 174-A, to Gibson & Mitchell, Pauls Valley, $37,569, engrs. est. $45,000, and 5.39 mi. Federal Aid Project 174-B, to S. W. Constr. Co., Ardmore, $34,400, engrs. est. $40,000, both projects in Pawnee Co. Noted July 9.

**Okla., Guthrie** — G. E. Anderson, city clk., grading and vertical fibre brick surfacing 5,500 sq.yd. and concrete surfacing 7,170 sq.yd. Noble, Vine, Park and Egg Sts., to B. Brooks, 1619 North Penn St., Oklahoma City, $48,302. Engrs. est. $49,-853. Noted July 16.

**Okla., Sulphur**—Gravel surfacing 25,000 sq.yd. Tahlequah Ave. known as Dist. 16, to Hamilton & Patterson, Pauls Valley, $24,-729. Engrs. est. $25,000.

**Okla., Tahlequah**—Grading, curbing and 6 in. concrete surfacing Delaware, Kee-Too-Wah and College Aves., to Lawrence & McSpadden, Vinita, $28,045. Noted June 25.

**Colo., Denver**—City, **(e. e. means engrs. est.)**, to Gordon Constr. Co., Barclay Blk., concrete paving Alley Paving Dist. 130, $23,206 e. e. $33,213, Dist. 131, $14,780 e. e. $21,233, Dist. 132, $20,446 e. e. $29,405, Dist. 133, $17,322 e. e. $25,007. Grand total $75,754. Noted July 9.

**Wash., Olympia** — Improving approximately 20 blocks 6th Ave., etc., 4,176 cu.yd. excav., 3,063 sq.yd. concrete sidewalks, 9,885 lin.ft. curbing, 22,835 sq.yd. concrete paving, etc., to Erickson Constr. Co., Henry Bldg., Seattle, $76,591. Engrs. est. $88,573.

**California** — State Hy. Comn., Forum Bldg., Sacramento, **(e. e. means engrs. est.)**, grading and crushed stone or gravel surfacing 8.6 mi. road between El Centro and Holtville, Imperial Co., to S. Y. Faucett, 4002 Walton St., Los Angeles, $107,229, e. e. $119,358; widening with concrete shoulders 8.1 mi. road between Sunland and La Canada, Los Angeles Co., to Dewey & Rawson, Pasadena, $64,567, e. e. $81,923; concrete paving 10.8 mi. road and widening with concrete shoulders 2.3 mi. road from point 1½ mi. north of Oceanside and 2 mi. south of San Onofre, San Diego Co., to Jahn & Bressi, Laughlin Bldg., Los Angeles, $322,737, e. e. $361,394. Grand total $494,533. Noted June 18.

**Calif., Los Angeles**—Curbing, guttering, sidewalks, etc., on Dunn St. between Upland Ave. and Crestwood St., also sidewalks and 6 in. concrete paving Mercury Ave. between Huntington Dr. N. and Boundary Ave., to McCray Co. Amer. Bank Bldg., $62,650 and $50,445 respectively; grading, curbing, guttering, sidewalks, and warrenite bitulithic paving Occidental Ave. between Sunset Blvd. and Temple St., to Warren Constr. Co., 2221 East 25th St., $101,857. Grand total $214,952.

**Calif., Los Angeles** — Grading, curbing, sidewalks and concrete paving Oak Glen Pl. between Allesandro St. and Fair Oak View Terrace, etc., to P. F. Martter, $3,277, Beverly Blvd. between Commonwealth and Virgil Aves., portion of Virgil Ave., etc., to McCray Co., Amer. Bank Bldg., $16,375; guttering, curbing, sidewalks and oiling Laclede Ave. between Fletcher Dr. and Silver Lake Blvd., portions of Laclede Ave. and Minneapolis Street Impvt. Dist., to T. W. Oglesby, 423 Edgewood Rd., Santa Ana, $25,109; grading, curbing, guttering, etc., Normandie Ave. between Franklin and Santa Monica Blvd., to W. Liddington, 420 East 60th St., $48,797. Grand total $93,558.

**Calif., Los Angeles**—Los Angeles Co., 6 in. concrete paving Market St. between Western and Normandie Aves., to G. H. Oswald, 366 West 58th St., $28,911.

**Calif., Los Angeles** — Los Angeles Co., grading and concrete paving 90,385 sq.ft. Anaheim-Telegraph Rd., Co. Rd. Impvt. 246, to Los Angeles Industrial Engrs. & Contractors, 312 Guaranty Bldg., Hollywood, $29,069. Noted July 9.

**Calif., San Diego** — Common Council, curbing, guttering, sidewalks, and 1½ in. asphalt on 5 in. concrete paving 310,514 sq.ft. National Ave. between 31st and 41st Sts., to Hazard Contg. Co., 302 5th St., $73,884. Noted June 25.

**Calif., San Jose**—Santa Clara Co., asphaltic concrete paving Tully, White and San Felipe Rds., also Meridian Rd., to Raisch Impvt. Co., 46 Kearny St., $34,500 and $48,900 respectively; oil macadam paving Rucker Ave., to Granite Constr. Co., Watsonville, $25,637. Grand total $109,037.

**Calif., Whittier**—To G. A. Simpson, Olsen Bldg., improving Greenleaf Ave., 126,230 sq. ft. grading, at $0.04 per sq.ft., 126,230 sq. ft. 7 in. concrete on 4 in. disintegrated granite paving $0.225, etc., total $38,477.

**B. C., Vancouver** — Hardsurfacing various streets, concrete, to LaPlaca Constr. Co., 602 Hastings St. W., $14,467; asphaltic concrete, to Cotton Co. Ltd., False Creek Yards, $23,773.

**Ont., St. Thomas** — Concrete paving various streets to Ponsford Constr. Co., Talbot St. $1.24 per sq.yd., asphalt paving, to Standard Paving Co., Central Chambers, Ottawa $1.65, curbs and gutters, to A. Irwin & Son, Gravel Rd., $0.65 per ft.

## Buildings—Industrial

### PROPOSED WORK

**Mass., Brookline** (br. Boston)—REPAIR and SERVICE GARAGE—Young Bros., 18 Webster St., plans 1 story, about 20,000 sq.ft. floor space, rein.-con., Lawton St. $100,000. Engineer and architect not selected.

**Mass., Dorchester** (Boston P. O.)—REPAIR and SERVICE GARAGE—W. W. Drummey, archt., 60 Boylston St., Boston, making sketches 1 story, 65 x 200 ft., rein.-con. repair and service garage, Clayton St., here. $60,000. Owner's name withheld.

**Conn., Meriden**—POWER HOUSE, etc.—Connecticut School for Boys, will take bids for plans, power house, laundry, bakery and kitchen. $120,000 appropriated. Noted Feb. 5.

**N. Y., Buffalo** — OIL STORAGE and TRANSFER PLANT — McColl Bros., 114 Esplanode St., Toronto, Ont. plans oil storage and transfer plant, Buffalo River and Abbott Rd., here. To exceed $100,000.

**Pa., Lansdale** — MANUFACTURING — Crown Paper Co. having plans prepared by J. S. Fuller, 5438 Locust St., Phila., 1 story and basement, 30 x 118 ft. and 75 x 150 ft., brick, plain foundation.

**Md., Hagerstown**—FACTORY, etc.—M. P. Moeller Organ Wks., had plans prepared by J. E. Moxley, 20 East Lexington St., Baltimore, 3 story, 60 x 140 ft. factory and 2 story, 40 x 80 ft. office building. $150,000.

**Fla., St. Petersburg**—PLANT—Florida Spanish Tile Mfg. Co. plans plant. $200,000.

**Ala., Montgomery**—CREOSOTE PLANT—Bond Bros., J. R. Bond, pres., M. E. T. Bldg., Louisville, Ky., purchased 80 acre site and plans plant, here. $500,000. J. R. Bond, pres.

**Ala., Sheffield**—PLANT—J. R. Scott, et al., Merchants Laclede Bldg., St. Louis, Mo., plan asphalt plant, here. Owner in market for asphalt machinery.

**Tenn., Clinton**—PLANT—Magnet Knitting Mills, with plants at Clinton and Coal Creek, plans 2 story, 96 x 250 ft., rein.-con. plant, here. J. E. Sirrine & Co., Greenville, S. C., engrs.

**Tenn., Knoxville** — WOODWORKING PLANT—D. M. Rose & Co., South Knoxville, plans plant addition. W. E. Biggs, Holston Bank Bldg., consult. engr.

Buildings—Industrial (Continued)

**O., Cleveland**—FOUNDRY—J. Rutkowski, 6600 Park Ave., had plans prepared 1 story, 75 x 120 ft., brick and steel, 6507 Sidaway Ave. $40,000. Private plans.

**O., Cleveland** — DAIRY and BOILER HOUSE—Ohio Farmers Co-Operative Milk Co., R. W. Strong, secy., 3068 West 108th St., having plans prepared by Wright & Hohl, 4614 Prospect Ave., altering dairy and constructing 1 story, 40 x 80 ft., brick and steel boiler, 3068 West 106th St. $40,000.

**O., Cleveland**—FACTORY and WAREHOUSE—Vitrolite Co., C. A. Meyers, pres., 2907 Detroit Ave., having plans prepared by A. B. Sylvanus, 6014 Euclid Ave., 3 story and basement, 44 x 80 ft., brick and steel, 2909 Detroit Ave. $50,000.

**O., Youngstown** — FACTORY — Youngstown Fdry. & Machine Co., 365 East Boardman St., plans 1 story, 120 x 260 ft., addition, Poland Ave. $200,000.

**Ind., Lafayette** — WOOD WORKING PLANT — Standard Woodworking Co., Lafayette, having plans prepared by L. L. Johnson, Attica, 1 story, 66 x 132 ft., brick and steel plant. $40,000.

**Wis., Alverno** (Manitowoc P. O.) — BOILER HOUSE—Holy Family Convent, Route 1, Manitowoc, having preliminary plans prepared by E. Brielmaier & Sons, 432 Bway., Milwaukee, 2 story, brick and concrete, plain foundation. $40,000.

**Wis., Milwaukee**—PRINTING PLANT—Milwaukee Printing Co., 377 Florida St., having plans prepared by Tharinger & Bruecker, 496 Cramer St., 2 story and basement, 32 x 125 ft., brick and concrete, plain foundation, Florida St. $50,000.

**Kan., Kansas City**—FOUNDRY—H. N. Strait Mfg. Co., Adams and Shawnee Sts., plans rebuilding 75 x 215 ft. foundry, 90 ft. high, recently destroyed by fire. $50,000 plans architect and engineer not selected.

**Kan., Wichita** — WAREHOUSE — See "Contracts Awarded."

**Mo., Cape Girardeau**—POWER PLANT—Community Light & Power Co., 408 Pine St., St. Louis, plans improvement and extensions to power plant, here. $200,000. H. C. Newman, dist. mgr.

**Mo., Kansas City**—FACTORY—T. Azar, Arar Kimono Co., Graphic Arts Bldg., plans 4 story and basement, approximately 50 x 100 ft. factory. 1612 Baltimore St. Engineer and architect not selected.

**Mo., Kansas City** — FACTORY and WAREHOUSE—Sewall Paint & Glass Co., having plans prepared by Hoit, Price & Barnes, 800 Davidson Bldg., 3 story and basement, 60 x 72 ft., rein.-con., brick and terra cotta factory and warehouse. $60,000.

**Mo., St. Louis** — HEATING PLANT — City, c/o Bd. Pub. Serv., soon takes bids 3 story, rein.-con., brick and stone heating plant, Clark Ave. $910,000. L. R. Bowen, 301 City Hall, engr. and archt.

**Tex., Marshall**—POWER PLANT—East Texas Pub. Serv. Co., plans power plant addition. $200,000. Private plans.

**Tex., Port Arthur**—SHOPS—Kansas City Southern R.R. Co., Southern Bldg., Kansas City, Mo., will not construct new car and locomotive shops, etc., here. $1,250,000. A. N. Reese, ch. engr. This corrects report in June 4 issue.

**Tex., Taylor** — SUB-STATION — Texas Power & Light Co., Waco, purchased 5 acre site and plans rein.-con. and brick substation, here. $100,000. Private plans.

**Tex., Victoria** — COTTON MILL — Victoria Cotton Mills Co., E. M. Tracy, pres., plans cotton mill, brick and concrete. $300,000.

**Tex., Wichita Falls** — ICE PLANT — Brinker Ice Co., Sulphur Springs, plans 2 story, 60 x 110 ft., brick, stone and rein.-con. plant here. $100,000. Private plans. Work will probably be done by day labor.

**Okla., Lawton** — POWER PLANT — Southwest Light & Power Co., Continental Bldg., Oklahoma City, making preliminary plans new 5,000 kw. steam turbine unit and new building, etc., here. $2,500,000. E. R. Ernsberger, Continental Bldg., Oklahoma City, pres.

**Ariz., Yuma** — TOPPING PLANT — Apache Oil & Refining Co. having plans prepared topping plant. $50,000. Private plans.

**Wash., Seattle**—OIL-REFINING PLANT—Calpet Refining Co., subsidiary of California Petroleum Co., Sec. Bldg., Los Angeles, Calif., plans oil-refining plant, here. $500,000.

**Calif., Anaheim** — PLANT — Crystal Chemical Co., plans to convert waste matter into fertilizer. $75,000.

**Calif., Los Angeles**—SUB-STATION—Light, Water & Power Bureau, had plans prepared 2 story, 75 x 125 ft., rein.-con., Mateo St. $125,000. City Eng. Dept., engrs.

**Calif., Sacramento**—FACTORY—Sierra Mfg. Co., A. B. Reynolds, interested, Ochsner Bldg., plans factory. $40,000 or more.

**Calif., San Francisco**—FACTORY—E. L. McRoskey Mattress Co., 1506 Market St., had plans prepared by Fabre & Hildebrand, 110 Sutter St., 3 story and basement, hollow tile and steel, Brady and Market Sts. $45,000.

**Calif., San Francisco**—BOILER PLANT, etc. — Pacific Gas and Electric Co., 245 Market St., had plans prepared steel and corrugated iron boiler plant and generator building, Maryland and Humboldt Sts. $60,000. Engineering Dept., c/o owners, engrs.

**Man., Fort Alexander**—PAPER MILL—Spanish River Pulp & Paper Co. in conjunction with J. D. McArthur, plan 200 ton paper mill, here. $4,500,000.

**Man., Winnipeg**—PLANT—Davis Gelatine Co., Sydney, Australia, plans plant, here. $1,000,000. G. F. Davis, dir.

### BIDS DESIRED

**Mass., Malden** (Boston P. O.)—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

**R. I., Providence** — SHOPS, STORAGE and GARAGE—July 24, by Providence Gas Co., Turks Head Bldg., 2 and 3 story, 200 x 300 ft., rein.-con., brick and stone shop, storage and garage. To exceed $40,000. Jenks & Ballou, 1035 Grosvenor Bldg., Boston, archts.

**Pa., Johnstown**—BOILER HOUSE—July 27, by Bd. Educ., J. D. Rutledge, pres., 60 x 80 ft., brick boiler house to adjoin Garfield Junior High School, for School Dist., 601 Swank Bldg., $50,000.

**Neb., O'Neil** — POWER PLANT — See "Contracts Awarded."

**Tex., Burkburnett**—COTTON GIN—See "Contracts Awarded."

**Tex., Victoria** — COLD STORAGE — See "Contracts Awarded."

### BIDS RECEIVED

**N. Y., New York** — BOILER PLANT — W. W. Mills, comr. Plants & Structures Municipal Bldg., July 20, addition to boiler plant for Central Motor Repair Shop and Willard Parker Hospital, 16th St. and Ave. C, from H. Borriello, Inc., 157 East 128th St., $107,142; fuel oil storage and oil burning system, from Velodrome Heating Co., 160 East 144th St., $39,000; addition of 2 new water tube boilers, from Shevlin Eng. Co., 110 West 34th St., $51,719. Noted July 16.

**Calif., Fresno**—MAINTENANCE SHOP—State Hy. Comn., Forum Bldg., Sacramento, July 13, maintenance shop, here, from J. P. Williams, Fresno, $29,292. Noted July 2.

### CONTRACTS AWARDED

**Mass., Cambridge** (Boston P. O.) — FACTORY — Cambridge Rubber Co., 748 Main St., 4 story, 80 x 100 ft., rein.-con. and brick factory to Scully Co., 118 1st St. Archts. est. $125,000. Noted July 2.

**Mass., Everett** — MANUFACTURING — Merrimack Chemical Co., 148 State St., Boston, 2 story, 75 x 140 ft., timber, to W. H. Bailey Co., 88 Broad St., Boston. Archts. est. $100,000. Noted July 9.

**Mass., Malden** (Boston P. O.)—REPAIR and SERVICE GARAGE—S. Spector, 31 York Terrace, Dorchester, will build 2 story, 110 x 225 ft., brick, 11-33 Charles St., by day labor. $200,000. C. F. Springfield, 50 Concord St., archt. Noted July 16.

**Mass., Waltham** (Ind. br. Boston) — SHOP—J. L. Thomson, Robert St., 3 story and basement, 50 x 100 ft., rein.-con. and brick, plain foundation, to L. H. Shattuck, 208 Granite St., Manchester, N. H. Archts. est. to exceed $40,000. Noted June 25.

**Mass., Willimasett**—MANUFACTURING—B. F. Perkins & Sons, Inc., Holyoke, 1 story, 80 x 260 ft. machine shop with 40 ft. craneway, and 2 story, 80 x 150 ft., storage building, brick and steel, to Fred T. Ley Co., Inc., 230 Boylston St., Boston. Noted July 9.

**R. I., Pawtucket** — WEAVING MILL — Moore Fabric Co., Inc., Washington St., 1 story, 100 x 120 ft., rein.-con. and brick addition, to Pawtucket Cabinet & Builders Finish Co., Spencer St. Archts. est. $40,000.

**N. Y., Ilion**—PLANT—Remington Typewriter Co., 374 Bway., New York City, two 1 story, 60 x 240 ft. and 82 x 95 ft. rein.-con. and steel additions, plain foundations, here, to J. Stewart & Co., Inc., 17 East 42nd St., New York City.

**N. J., New Brunswick**—PLANT—International Motor Co., 25 Bway., New York City, rein.-con., brick and steel plant addition, plain foundation, to Stone & Webster, 120 Bway., New York City. Archts. est. $250,000.

**Pa., Phila.** — FACTORY — J. Gallraith, 619 Commercial St., 1 story and basement, brick and steel, plain foundation, 27th and Bainbridge Sts.; to Schaeffer & Co., Otis Bldg. Archts. est. $40,000.

**Pa., Phila.**—MANUFACTURING—A. T. Baker & Co., Fountain St. and Pennsylvania R.R., 3rd, 4th and 5th story, 60 x 124 ft., rein.-con. and brick, to Barclay White Co., 1713 Sansom St. Archts. est. $50,000.

**Pa., Phila.** — MANUFACTURING — Queen City Printing Ink Co., 11th and Hamilton Sts., 1 story and basement, 60 x 160 ft., brick, plain foundation, 1055-61 Germantown Ave., to Smith Hardican Co., 1809 Callowhill St. Noted June 11.

**Pa., Pittsburgh** — OIL PURIFICATION PLANT—Duquesne Light Co., 435 6th Ave., 1 story and basement, 45 x 50 ft., brick and steel, oil purification plant, Beaver Ave. and Seymour St., to W. F. Trimble & Sons Co., 1719 Penna. Ave. Archts. est. $45,000.

**O., Cleveland** — LAUNDRY — Unit Family Laundry Co., W. R. Englehart, secy.-treas., 2159 Clarkwood Rd., 2 story, 7,000 sq.ft. floor space, brick and steel, East 79th St., to Boldt Constr. Co., 1969 East 70th St. Archts. est. $40,000.

**O., Cleveland** — SUB-STATION — Cleveland Electric Illuminating Co., c/o E. J. Cook, engr., Illuminating Bldg., 1 story and basement, 53 x 72 ft., brick and steel, Harvard Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $90,000. Noted July 9.

**O., Columbus** — MILL — E. A. Prentice Lumber Co., 449 North Park St., will build 2 story, 60 x 120 ft. mill, by day labor. $40,000. Private plans.

**Ind., Hammond** — BRASS FOUNDRY — Hammond Brass Wks., 1 story, 90 x 320 ft., steel, Summer St., to Austin Co., 16112 Euclid Ave., Cleveland, O.

**Mich., Detroit** — SUBSTATION — Pub. Lighting Comn., East Atwater St., 3 story and basement, 72 x 93 ft., rein.-con., brick and steel, plain foundation, Livernois Ave., to Gallagher-Flemming Co., 6500 Epworth Blvd. Archts. est. $150,000. Noted June 25.

**Ill., Chicago**—FACTORY—Viscosity Oil Co., 1101 West 37th St., rebuilding old factory, destroyed by fire, and constructing 2 story and basement, timber addition, to G. L. Arquette & Co., 160 North La Salle St.

**Ill., Chicago**—FACTORY—C. H. Hollup Corp., 327 South LaSalle St., 1 story factory, South Turner Ave. and West 48th Pl., to Kreitzer Constr. Co., 503 South Jefferson St. Archts. est. $40,000.

**Ill., Galesburg**—POWER PLANT—Chicago, Quincy & Burlington R.R., 547 West Jackson Blvd., Chicago, 48 x 80 ft., brick power house, plain foundation, railroad yards, here, to G. A. Johnson & Sons, 1335 North Clark St., Chicago, $133,234.

**Ill., Peoria** — WAREHOUSE and STORAGE — Isaac Walker Hardware Co., 514 South Washington St., 5 story and basement, rein.-con., brick and steel, South Washington St., to W. Allen & Son, Jefferson Bldg. Noted May 28.

**Wis., Milwaukee**—FEED MILL—Krause Milling Co., 37th Ave. and Burnham St., 2 story, 50 x 120 ft., brick and concrete addition, plain foundation, also repairing portion of plant burned last fall, to Klug & Smith, 69 Wisconsin St. Archts. est. $50,000.

**Kan. Wichita**—WAREHOUSE—Cuthbert Cut Stone Co., will build 2 story and basement, 100 x 125 ft., rein.-con. and brick warehouse, by day labor. $70,000. Private plans.

**Neb., O'Neil**—POWER PLANT—Northern Nebraska Power Co., T. H. Carter, supt. constr., Hebron, will build hydro-electric power plant, incl. 400 ft. rein.-con. spillway, 16 ft. above water level, 48 x 80 ft. brick and concrete powerhouse, 2,800 ft. dirt fill, 20 ft. high and 3 to 1 slope with 20 ft. roadway on top, also dam, 25 ft. high, 25 ft. wide at base with concrete apron 40 ft., etc., on Niobrara River, near here, $700,000-$800,000, also 150 mi. high tension transmission line, incl. sub-station and distribution lines, $200,000, by day labor.

**Tex., Burkburnett** — COTTON GIN — Hunt-Rigsby Co. will build cotton gin, by day labor. $40,000 approximately. Engineer and architect not announced.

**Tex., Lubbock**—COTTON COMPRESS—West Texas Compress & Warehouse Co., brick and concrete compress, 1,500 bale capacity, to Jansen Bros., Lubbock, approximately $140,000. Noted Apr. 9.

Buildings—Industrial (Continued)

**Tex., Victoria**—COLD STORAGE—Hill-O'Connor Co. will build 1 story, rein.-con. and brick, cold storage plant, by day labor. $60,000. Private plans. Noted Jan. 8.

**Okla., Okmulgee** — REFRIGERATION PLANT—Okmulgee Wholesale Grocery Co., 1½ story refrigeration plant, general contract to Smith & Senter, Okmulgee. Archts. est. $40,000. Armour & Co., Okmulgee, lessee.

**Calif., Los Angeles**—SHOP—Wiley Machine Co., 631 East Slauson Ave., 80 x 120 ft., rein.-con. and steel addition, to Hamm & Grant, Inc., 607 Ferguson Bldg.

**Que., Thurso**—FACTORY—Singer Mfg. Co., Ltd., Thurso, factory, to Anglin-Norcross Ltd., 65 Victoria Ave., Montreal. Noted May 28.

## Buildings—Commercial

**PROPOSED WORK**

**Mass., Chicopee**—BANK and OFFICE—Chicopee Natl. Bank, purchased site and plans 3 or 4 story, brick, stone and steel addition. $180,000. Engineer and architect not selected.

**Mass., Everett** (br. Boston) — CITY HALL—City, L. B. Chisholm, mayor, plans city hall, Bway. $500,000. Engineer and architect not selected.

**Mass., Great Barrington** — HOTEL — Fairview Hotel, c/o Crow, Lewis & Wick, archts., 200 5th Ave., New York City, plans hotel, here. $500,000.

**Conn., Hartford**—BANK—Bankers Trust Co., R. B. Newell, chn., 154 Kenyon St., having preliminary plans prepared by W. F. Brooks, Lewis and Gold Sts., Hartford, new bank, Asylum Pl. $150,000 or more.

**Conn., Storrs** — DORMITORY — State Comptroller, State House, Hartford, receiving competitive plans until Aug. 1, 3 story, 30 x 154 ft. dormitory, two 28 x 54 ft. ells, here, for Storrs Agricultural College. $158,000. Noted July 9.

**N. Y., New York**—APARTMENT—J. H. C. Corp., c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., having plans prepared 15 story, brick, steel and stone, plain foundation, 5th Ave. and 98th St. $750,000.

**N. Y., New York**—APARTMENT—I. F. Roe, c/o Deutsch & Schneider, archts. and engrs., 35 Maiden Lane, having plans prepared 16 story, brick, steel and stone, plain foundation, Central Park W. $1,500,000.

**N. Y., New York**—APARTMENT—Union Ry. Co., 2396 3rd Ave., having plans prepared by C. M. Hart, engr. and archt., 247 Park Ave., brick, steel and stone, plain foundation, Colonial Ave. $500,000.

**N. Y., New York**—GARAGE—W. E. C. Draper, c/o Dennison & Hirons, 288 Lexington Ave., having plans prepared 4 story, 100 x 150 ft., rein.-con., brick and steel, plain foundation, 603 West 42nd St. $600,000.

**N. Y., New York**—LOFT—J. Silverman, c/o Schwartz & Gross, archts., 347 5th Ave., having plans prepared 20 story, 75 x 100 ft., brick, steel and stone, plain foundation, 531 8th Ave. $1,500,000.

**N. Y., New York** — THEATRE — M. Richter, 623 8th Ave., soon takes bids brick and stone, plain foundation, Sheridan Ave. and 167th St. $250,000. E. DeRosa, 110 West 40th St., archt. and engr.

**Md., Hagerstown**—OFFICE—See "Buildings—Industrial."

**D. C., Wash.** — OFFICE — Washington Central Trust Co. plans 10 story office building, New York Ave., 15th and G Sts. $5,000,000.

**N. C., Charlotte** — COURT HOUSE — Mecklenburg Co., plans new court house. $500,000. Engineer and architect not announced.

**N. C., Charlotte**—OFFICE—First Natl. Bank, having plans prepared by Lockwood, Greene & Co., engrs., Piedmont Bldg., and L. Asbury, archt., Realty Bldg., 20 story, 60 x 126 ft., brick, steel and concrete office building. $1,000,000.

**Ga., Atlanta** — CITY HALL — Election soon $2,000,000 bonds, 20 story city hall. A. T. Eyck Brown, Forsyth Bldg., archt.

**Fla., Tampa** — APARTMENT — Gillett Apartments, Inc., H. C. Allen, secy., plans 10 story, apartment known as "The Myelvaron" Crescent Pl. and N. B. St. $600,000.

**La., Alexandria** — TEMPLE — Masonic Assn. having plans prepared by S. Stone, Jr., 714 Union St., New Orleans, and H. J. Duncan, associated archt., Alexandria, 5 story, rein.-con. temple. Noted June 4.

**Tenn., Chattanooga**—STORAGE—Southeastern Oil Co., 1800 Central Ave., M. H. Senter, pres., plans rebuilding, etc. oil and gasoline storage buildings, Central Ave., recently destroyed by fire. $1,000,000.

**O., Berea**—AUDITORIUM, EXHIBITION etc.—Berea Fair Grounds Assn., L. M. Coe, secy., having preliminary plans prepared for auditorium, exhibition building and stable. Private plans.

**O., Cleveland** — COMMERCIAL and APARTMENTS—A. Greenwald & S. H. Stecker, Society for Savings Bldg., having plans prepared by N. Petti, Williamson Bldg., commercial and 3 apartment buildings, 2 and 3 story, brick and steel, East 142nd St. and Kinsman Rd. $350,000.

**O., Cleveland** — COMMERCIAL and GARAGE, etc.—United Brotherhood of Carpeners & Joiners of America, H. Schwarzer, secy., 1355 Central Ave., having plans prepared by S. Hovanetz, 5024 Lorain Ave., 3 story and basement, 50 x 90 x 111 ft., brick, steel and concrete commercial garage and union headquarters, West 38th St. and Lorain Ave. $150,000.

**O., Cleveland** — STORE and APARTMENT — A. Greenwald & S. H. Stecker, Williamson Bldg., having plans prepared by N. Petti, Williamson Bldg., 3 story and basement, 60 x 146 ft., brick and steel, West 116th St. and Clifton Blvd. $200,000.

**O., Cleveland** — WAREHOUSE—Sterling & Welch Co., A. C. Hook, secy., 1225 Euclid Ave., having plans prepared by Walker & Weeks, 1900 Euclid Bldg., 6 story, 72 x 170 ft., brick, steel and concrete rear 1225 Euclid Ave. $400,000.

**O., Columbus** — OFFICE — Huntington Natl. Bank, 21 South High St., having plans prepared by Snyder & Babbitt, Columbus, remodeling 4 story and basement, 38 x 109 ft., brick and concrete, Gay and High Sts. $175,000.

**O., Columbus**—THEATRE and OFFICE—City Hall Development Co., 8 East Broad St., having plans prepared by G. Drach, 1701 Union Trust Bldg., Cincinnati, 13 story and basement, 120 x 187 ft., rein.-con. and terra cotta, East State St. $1,000,000.

**O., Columbus** — WAREHOUSE — Kroger Grocery & Baking Co., Archts., 813 Main St., Cincinnati, having plans prepared 4 story and basement, 120 x 346 ft., rein.-con. and brick, Lexington and Buckingham Sts., here, for $600,000. Private plans.

**O., Painesville** — BANK — First Natl. Bank, having plans prepared by C. C. and E. A. Weber, archts. 1408 Ingalls Bldg., Cincinnati, 5 story and basement, 64 x 87 ft., stone and terra cotta bank. $300,000.

**Ind., Indianapolis**—OFFICE—Lumber Insurance Agency, 518 North Delaware St., having plans prepared by H. Foltz, J. F. Wild Bldg., 8 story and basement, 55 x 80 ft., brick, concrete, steel, stone and marble, Delaware St.

**Ind., Indianapolis** — WAREHOUSE — Vonnegut Hardware Co., 120 East Washington St., having plans prepared by Vonnegut, Bohn & Mueller, Indiana Trust Bldg., 4 story and basement, brick, steel and concrete warehouse. $250,000.

**Mich., Menominee** — THEATRE, STORE and OFFICE — Menominee Community Building Co., 1714 State St., had plans prepared by D. Hubert, 801 Sheridan Rd., 4 story and basement, 100 x 200 ft., brick, steel and concrete, plain foundation, Sheridan Rd. $300,000-$400,000.

**Ill., Chicago**—APARTMENT—M. Fox, engr. and archt., 431 Michigan Blvd., takes bids about Aug. 11, 10 story and basement, 55 x 130 ft., rein.-con., concrete pile foundation, 7321 South Shore Dr., for E. C. Waller, Jr., Burnham Bldg. $1,600,000.

**Ill., Kewanee**—CITY HALL—City plans city hall. $150,000 appropriated. J. G. Palmer, City Hall, engr. Architect not selected.

**Mo., Hannibal** — THEATRE — Universal Pictures Corp., 730 5th Ave., New York City, N. Y., making preliminary plans 2 story and basement, rein.-con., brick and stone theatre 1,750 seating capacity, here. $250,000. Private plans.

**Mo., Kansas City**—CITY HALL, etc.—City plans city hall $5,250,000, court house $5,250,000, fire stations $4,500,000, hospital $1,500,000, conservatory in Swope Park $150,000-$300,000, zoo in Swope Park $250,000-$500,000, and police welfare building $335,000. Above projects are part of proposed $38,000,000 bond issue to be submitted to voters about October 15.

**Tex., Abilene** — CITY HALL — Election Aug. 10, $150,000 bonds new city hall. C. E. Coombs, mayor. Engineer and architect not announced. Noted July 16.

**Tex., Brownsville** — HOTEL — James & Dickinson had plans prepared by Kelwood Co., archts. and engrs., Travis Bldg., San Antonio, and soon takes competitive bids 8 story modern hotel. $400,000. Noted Apr. 2.

**Tex., Dallas**—GARAGE—L. F. Wilson, 2922 Swiss Ave., having revised plans prepared by F. F. and C. F. Peterman, 1005 Merchantile Bank Bldg., 2 story, 125 x 228 ft., Pacific and Pearl Sts. $150,000. Perry Motor Co., c/o E. G. Perry, genl. mgr., 615 Good St., lessee.

**Tex., Gonzales**—HOTEL—Syndicate soon takes competitive bids 4 story, part basement, rein.-con., brick and stone, plain foundation. $150,000. M. L. Waller, Standard Trust Co. Bldg., San Antonio, engr. and archt. Noted June 4.

**Tex., Lampasas**—HOTEL—E. R. Misener having preliminary plans prepared by R. E. Lane, archt. and engr., 115 North 5th St., Waco, 4 or 5 story and basement, rein.-con., brick and stone hotel, plain foundation. $150,000.

**Tex., Port Arthur**—HOTEL—Plaza Hotel Co., H. Westfall, mgr., having plans prepared by H. S. Green, archt. and engr., Alamo Natl. Bank, San Antonio, 3 story, rein.-con., brick and stone top addition, plain foundation. $200,000.

**Okla., Arapahoe** — COURT HOUSE — Custer Co. making preliminary plans 2 story and basement, 90 x 140 ft., brick, plain foundation, Main St. $175,000 funds voted. Engineer and architect not selected.

**Okla., Fairview** — COURT HOUSE — Major Co. having preliminary plans prepared 2 story and basement, 85 x 130 ft., rein.-con. and brick, plain foundation, Main St. $175,000. Engineer and architect not selected.

**Okla., McAlester**—HOTEL—B. A. Enlowe having plans prepared by Hawk & Parr, Cotton Exch. Bldg., Oklahoma City, 4 story and basement, 50 x 133 ft., rein.-con., brick and stone hotel. $150,000.

**Okla., Oklahoma City**—OFFICE—Western Union Telegraph Co., 195 Bway., New York City, having preliminary plans prepared 4 story and basement, brick, plain foundation, 3rd St. and Bway., here. $180,000. V. V. Weidinger, c/o owner, engr.

**Okla., Oklahoma City** — STORE — Buick Motor Co., 504 North Bway., having preliminary plans prepared by Campbell & Price, 603½ West Main St., 4 story and basement, 100 x 150 ft., rein.-con., plain foundation, 10th St. and Bway. $200,000. Noted Apr. 30.

**Okla., Tulsa**—APARTMENT—H. J. and A. Sophian, Sophian Plaza Bldg., Kansas City, Mo., having plans prepared by Shepard & Wiser, R. A. Long Bldg., Kansas City, Mo., 8 story and basement, 20,000 sq.ft. floor space, rein.-con. apartment, incl. swimming pool, etc. on lawn, 15th St., here. $1,000,000.

**Okla., Tulsa**—OFFICE—Independent Oil & Gas Co. having preliminary plans prepared 10 story and basement, 50 x 140 ft., rein.-con., plain foundation, Boulder St. $2,000,000. W. H. Thomas, Okmulgee, engr. Architect not selected.

**Wash., Seattle** — AUDITORIUM — City Council purchased site and plans civic auditorium. $700,000. Noted June 25.

**Wash., Tacoma**—HOTEL—Tacoma Hotel Assn., takes bids about Sept. 13, 5 story, 75 x 100 ft., brick addition to Tacoma Hotel. $250,000. Engineer and architect not announced.

**Calif., Hanford**—THEATRE and HOTEL—Hanford Hotel Co., c/o Swartz & Ryland, archts., Rowell Bldg., Fresno, plan 100 room, fireproof, Redington St. $150,000 or more.

**Calif., Los Angeles**—HOTEL and STORE—B. L. Laubenheim, c/o Vickers Co., archts., Hillstreet Bldg., made plans 12 story and basement, 115 x 1,555 ft. rein.-con., Sunset Pl.

**Calif., Los Angeles** — THEATRE and OFFICE, etc.—Hansen Theatres, Inc., c/o W. Allen, archt., 1018 Bank of Italy Bldg., having preliminary plans prepared 2 story and basement, 70 x 285 ft., rein.-con. theatre, office, and store building, Hollywood Blvd.

**Calif., Los Angeles** — WAREHOUSE — Bekins Fireproof Storage, 1335 South Figueroa St., having plans prepared by A. S. Niebecker, Jr., Washington Bldg., 7 story, 69 x 100 ft., rein.-con., Olive St.

**Calif., Napa** — HOTEL — Davis-Heller-Pearce, Inc., archts. and engrs., Weber and California Sts., plan 100 room, fireproof hotel. To exceed $150,000. Owner's name withheld.

**Calif., Pasadena** — THEATRE, OFFICE, etc.—Liberty Players, Inc., c/o J. H. Woodworth & Son, 200 East Colorado St., plans 2 story, 135 x 150 ft. theatre, store and office building, Chester and Colorado Sts. $195,000.

**Calif., San Francisco**—APARTMENT—N. W. Sexton, archt., DeYoung Bldg., pre-

Buildings—Commercial (Continued)

paring plans 6 story and basement, steel, brick and concrete, in Nob Hill Dist. $150,000. Owner's name withheld.

**Calif., San Francisco**—APARTMENT—C. R. Bricca, c/o C. A. Meussdorffer, archt., Humbolt Bank Bldg., San Francisco, having plans prepared 10 story and basement, Class A, Green St. near Jones St.

**Calif., San Francisco** — ASSEMBLY and SALESROOM — Amer. La France Fire Engine Co., 1434 Howard St., having plans prepared by A. G. Bugbee, 14 Montgomery St., 1 story, rein.-con. and brick, 16th and Shotwell Sts. $40,000. Noted Apr. 9.

**Calif., San Francisco**—CLUB—Olympic Club, Olympic Club Bldg., plans 14 story or more and basement, Class A, near Post and Mason Sts. $2,000,000. Engineer and architect not selected.

**Calif., San Francisco**—HOTEL—H. Warwick, 3769 Jackson St., having plans prepared by S. Helman, 57 Post St., 6 story and basement, rein.-con. Jones near Eddy Sts. $150,000.

**Calif., Santa Barbara**—COURT HOUSE—Supervs. Santa Barbara Co. having plans prepared by W. Mooser, Nevada Bank Bldg., San Francisco, rein.-con. courthouse. $1,000,000.

**Calif., Santa Barbara** — HOSPITAL — Santa Barbara Co. having plans prepared by W. Mooser, archt., Nevada Bank Bldg., San Francisco, and Sauter & Lockard, associated archts., Santa Barbara, fireproof hospital. $250,000.

**Calif., Santa Barbara** — HOTEL — J. L. White, California Hotel, plans rebuilding rein.-con. and steel hotel, recently destroyed by earthquake. To exceed $150,000.

**Que., Montreal**—GARAGE—U. H. Dandurand, 101 Notre Dame St. W., having plans prepared by Ross & MacDonald, Belmont St., 5 story, 114 x 252 ft., rein.-con., plain foundation, Drummond St. $300,000.

**Que., Montreal**—HOSPITAL—A. Bercovitch, Medical Arts Bldg., is interested in erection of Jewish Hospital. $500,000.

**Ont., Kingston**—DORMITORY—**Kingston** Separate School Bd., plans new dormitory and gymnasium, Russell Ave. $300,000.

### BIDS DESIRED

**Mass., Boston**—APARTMENT—See "contracts awarded."

**Conn., New Haven** — STORAGE — See "Contracts Awarded."

**Conn., Willimantic**—HOTEL—July 27 (extended date), by Community Hotel Corp., W. P. Jordon, 228 North St., brick and steel, Main St. $350,000. G. B. Post & Son, 101 Park Ave., New York City, archts. and engrs. Noted July 16.

**N. Y., New York**—APARTMENT—See "Contracts Awarded."

**N. Y., New York**—HOSPITAL—Aug. 5, (extended date), by B. S. Coler, comr. Dept. Pub. Welfare, Municipal Bldg., Bronx General Hospital, East 167th St. and Walton Ave. Private plans. Noted July 9.

**N. Y., Farmingdale** — HOSPITAL — July 27, by Bd. Managers Nassau Co. Tuberculosis Hospital, alterations and additions to hospital, incl. sewage disposal plant, etc. G. L. Hubbell, Garden City, pres.

**N. Y., Raybrook**—LABORATORY—Aug. 10, by Supt. Purchase, Albany, laboratory at New York State Hospital for Incipient Tuberculosis, here. S. W. Jones, state archt., Albany; adv. E. N.-R. July 23.

**La., Lake Charles**—WAREHOUSE, etc.—July 27, by Lake Charles Rice Mill Co., Merchants Exch. Bldg., 2 story, 102 x 392 ft. warehouse, 6 story elevator, 5 story rice mill, and dock in Calcasieu River, etc. I. C. Carter, Lake Charles, engr.

**Ill., Berwyn** — BANK and OFFICE — Twenty-Second Street Bank, taking bids and opens same about July 28, 2 story and basement, 115 x 118 ft., rein.-con., brick and stone, 22nd St. and Oak Park. $225,000. H. H. Richard, 5467 West Washington St., Chicago, archt.

**Wis., Milwaukee** — CLUBHOUSE — July 31, by R. B. Williamson, archt., 405 Bway., 3 story and basement, 142 x 210 ft., rein.-con. and brick, plain foundation, Grand Ave., for Milwaukee Eagles, Aerie 137, 2401 Grand Ave. $500,000. Noted Apr. 2.

**Ia., Des Moines**—TEMPLE—Aug. 3, by Shrine Temple Building Assn., 720 6th Ave., 3 story and basement, rein.-con., steel and stone, 9th and Pleasant Sts. $1,000,000. Sawyer & Watrous, 401 Hippee Bldg., archts. Noted May 28.

**Calif., Los Angeles** — WAREHOUSE — Waterhouse-Lester Co., 325 North Los Angeles St., taking bids 4 story, 100 x 120 ft., rein.-con., 17th and Los Angeles Sts. $175,000. Norerenberg & Johnson, Railway Bldg., archt.

**Calif., San Francisco**—APARTMENT—See "Contracts Awarded."

**Calif., San Francisco**—THEATRE—Miller & Pflueger, archts., Lick Bldg., taking bids rein.-con. and steel, Polk St. near Green St., for T and D, Jr., Enterprises, Inc., 150 Leavenworth St. $150,000. Noted June 25.

**Calif., San Jose**—BANK and OFFICE—Bank of Italy, Bank of Italy Bldg., San Francisco, taking bids approximately 600 tons steel for 12 story and basement, 1st and Santa Clara Sts. $850,000 or more. H. A. Minton, Bank of Italy Bldg., San Francisco, archt.

### BIDS RECEIVED

**Conn., Manchester**—ADMINISTRATION—Bd. Selectmen, 2 story, rein.-con. and brick administration building, from Manchester Constr. Co., South Manchester, $179,000. Noted July 16.

**O., Youngstown** — HOME — Bd. Comrs. Mahoning Co. Detention Home, 3 story and basement, 75 x 110 ft., brick, steel and concrete, from Hawkins-Downie Co., 144 West Wood St., $127,411. Noted June 25.

**Kan., Newton**—HOTEL—Newton Hotel Co., 5 story and basement, 68 x 79 ft., rein.-con. and brick hotel, from H. W. Underhill Constr. Co., 131 North Emporia St., Wichita. Archts. est. $150,000.

### CONTRACTS AWARDED

**Mass., Williamstown**—HOME—Williams College, 3 story and basement, 40 x 100 ft., brick and stone home for Theta Delta Chi to Holt-Fairchild Co., 7 Water St., Boston. Archts. est. $150,000.

**Conn., New Haven**—APARTMENT—E. J. and I. Cooney, High St., 6 story, 125 x 125 ft., brick and steel, High St., to C. Abbadessa, 159 Winthrop St. Archts. est. $300,000. Noted June 18.

**Conn., New Haven** — GARAGE — E. M. Jennings Co. 347 Crown St., 1 story, 98 x 285 ft., brick and steel, 250 Whalley Ave., to Larkin-Carey Co., 166 Brewery St. Archts. est. $150,000. Noted July 2.

**Conn., New Haven** — GARAGE — Von Beren Realty Co., c/o Brown & Von Beren, 185 Church St., 3 story and basement, 78 x 100 ft. concrete and steel, High and Crown Sts., to Natl. Constr. Co., 171 Whalley Ave. Archts. est. $150,000.

**Conn., New Haven**—STORAGE—Great Atlantic & Pacific Tea Co., 386 State St., will build 4 story and basement, 100 x 240 ft. rein.-con., Ferry & River Sts., by day labor. $300,000. F. Teitelman in charge construction. C. H. Abramowitz, 42 Church St., archt.

**Conn., Norwich**—HOME—Kendall, Taylor & Co., archts., 142 Berkley St., Boston, 2 story and basement, 70 x 150 ft., brick and steel, Harland St., to W. S. Spencer, 24 Hobart Ave., for Sheltering Arms, Harland St. Archts. est. $175,000. Noted July 9.

**N. Y., Buffalo**—HOTEL—M. M. Robinson, 437 Woodward St., Detroit, Mich., hotel, West Utica St., to Robinson Constr. Co., 25 West Utica St., to exceed $225,000.

**N. Y., New York**—APARTMENT—Tigo Realty Co., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 15 story, 50 x 82 ft., brick, steel and stone, plain foundation, 18 West 77th St., day labor. $250,000.

**N. Y., New York** — APARTMENTS — Thompson Contg. Co., c/o Deutsch & Schneider, archts. and engrs., 35 Maiden Lane, will build 15 story and basement, brick, steel and stone, plain foundation, 87th St. and Riverside Dr., $1,500,000; and brick, steel and stone, plain foundation, at Riverside Dr. and 91st St., $1,000,000, by day labor.

**Pa., Easton** — DORMITORY — Thomas, Martin & Kirkpatrick, archts., Otis Bldg., Phila., 3 story and basement, 38 x 134 ft., rein.-con. and brick, plain foundation, here, to Bechtel & Bechtel, Easton, for Lafayette College. $160,000. Noted July 6.

**Pa., Phila.**—APARTMENT—Kanock Co., 1034 Spruce St., 4 story and basement, 72 x 225 ft., brick and steel, plain foundation, 41st and Chestnut Sts., to B. A. Kaplan, 1034 Spruce St. Archts. est. $50,000.

**Pa., Phila.** — DEPARTMENT STORE — Gimbel Bros., 9th and Market Sts., 12 story and basement, 222 x 318 ft., rein.-con., brick and steel, plain foundation, 9th and Chestnut Sts., to Thompson & Starrett Co., 49 Wall St., New York City, N. Y.

**Pa., Phila.** — OFFICE — Maryland Casualty Co., 312-322 Walnut St., 6 story and basement, 99 x 120 ft., brick and steel, plain foundation, to W. Steele & Sons Co., 219 North Broad St. Archts. est. $500,000.

**Pa., Pittsburgh**—SALES and GARAGE—Whitehill Gleason Motors, Inc., 250 South Euclid Ave., general contract 3 story and basement, 127 x 150 ft., brick and stone, Barem Blvd. and South Euclid Ave., to D. T. Riffle, 1006 Forbes St. Archts. est. $250,000.

**D. C., Wash.** — HOSPITAL — Sibley Memorial Hospital, 1120 North Capitol St., 4 story and basement, rein.-con. and brick, plant foundation, Pierce and Capitol Sts., to C. E. Thompkinson, 1612 Park Rd. Archts. est. $400,000. Noted July 16.

**La., Shreveport** — EXCHANGE — Mayre, Alger & Alger, archts., 801 Walton Bldg., Atlanta, Ga., 4 story and basement, 100 x 150 ft., rein.-con., McNeill and Crockett Sts., here, to Stewart & McGehee Constr. Co., Little Rock, Ark., for Cumberland Telephone & Telegraph Co., Shreveport. Noted May 28.

**Tenn., Knoxville**—STORE—J. T. Steachi, 201 West 5th Ave., 6 story, 72 x 135 ft., store building to Weaver & McGill, 425 West Church St., approximately $200,000.

**O., Cincinnati**—HOTEL—Sacred Heart Guild, 416 Bway., 6 story and basement, 100 x 165 ft., rein.-con. and brick, plain foundation, 5th St., to W. Harig Co., 31 East 4th St., $392,000.

**O., Cleveland** — COMMERCIAL and APARTMENT—M. Lieber & H. Freyman, 2552 Superior Ave., 3 story and basement, 50 x 108 ft., brick and steel, 14626 Lakeshore Blvd., to J. Miller, 10819 Drexel Ave. Archts. est. $150,000.

**O., East Cleveland** (Cleveland P. O.) — COMMERCIAL and APARTMENT — E. Brudno, 6830 Leader-News Bldg., 3 story and basement, 67 x113 ft., brick, 15050 Euclid Ave., to A. Adelowitz, 3475 East 118th St. Archts. est. $150,000.

**O., Tiffin** — DORMITORY — Heidelberg University, Tiffin, 3 story and basement, brick, steel and concrete, on campus, to C. E. Dennis, Tiffin, about $100,000. Noted Apr. 30.

**Ind., Indianapolis** — OFFICE — Chamber of Commerce, 10 story and basement, 85 x 195 ft., rein.-con. and brick, to T. A. Moynahan Constr. Co., Ambassador Hotel, $1,500,000, cost plus percentage basis. Noted July 16.

**Mich., Detroit** — HOTEL — L. Kamper, archt., 3729 Cass Ave., 10 story and basement, 300 room, rein.-con. brick and steel, plain foundation, Seward and Woodward Aves., to O. Misch Co., 159 East Columbia St. Archts. est. $500,000. Owner's name withheld.

**Wis., Milwaukee**—APARTMENT—G. W. Adams Co., 220 Martin St., 3 story, 52 x 245 ft., brick and concrete, plain foundation, Prospect Ave., to Brun Constr. Co., 387 Clinton St. Archts. est. $250,000. Noted Apr. 23.

**Wis., Racine**—WAREHOUSE—L. Lehle, archt. and engr., 3810 Bway., Chicago, Ill., 4 story and basement, 123 x 123 ft., brick and concrete, plain foundation warehouse, here, to Bondgard & Christensen, 1135 Mound Ave., for Horlick Malted Milk Co., Northwestern Ave. Archts. est. $160,000. Noted June 25.

**Wis., Waukesha**—WAREHOUSE—White Rock Mineral Springs Co., 1702 White Rock Ave., 3 story and basement, 65 x 156 ft., brick and concrete, plain foundation warehouse, to P. Riesen's Sons, 1018 Humboldt Ave., Milwaukee. Archts. est. $150,000.

**Ia., Davenport**—COMMUNITY—Friendly House Society, general contract 3 story and basement, 48 x 150 ft., rein.-con. and brick, 3rd and Taylor Sts., to J. Soller & Son, 1st Natl. Bank Bldg. Engrs. est. $165,000.

**Minn., St. Paul** — HOSPITAL — Northwestern Baptist Hospital Assn., c/o R. Earl, chn. bd. directors, 1210 Lowry Bldg., general contract (1st unit) 6 story and basement, 45 x 260 ft., rein.-con., brick, tile and stone, University Ave. near Aldine St., to Standard Constr. Co., 1111 Plymouth Bldg. Total cost $450,000.

**Kan., Newton**—HOTEL—Local Syndicate, c/o Greenbaum, Hardy & Schumacher, archts., 216 Scarritt Bldg., Kansas City, Mo., general contract 5 story and basement, 68 x 79 ft., brick, concrete and terra cotta hotel, to Underhill Constr. Co., 131 North Emporia St., Wichita. Noted July 23.

**Neb., Omaha** — MERCANTILE — S. S. Kresge Co. remodeling Bennett Bldg., 5 story and basement, 16th and Harney Sts., to P. Klewett's Sons, Omaha, Natl. Bank Bldg., cost plus percentage basis. Engrs. est. to exceed $200,000.

**Mo., Kansas City**—STORE—F. G. Bonfils, c/o F. C. Gunn, archt., 1108 Continental Bldg., general contract 3 story (ultimately 12 story) and basement, 112 x 116 ft., brick, steel, rein.-con. and terra cotta, 12th and Grand Sts., to Swenson Bros., Schubert Bldg. Archts. est. $300,000. Noted May 28.

Buildings—Commercial (Continued)

**Mo., Kansas City**—STORE—Holt, Price & Barnes, archts., 800 Davidson Bldg., 8 story and basement, 100 x 107 ft., rein.-con., brick and stone, 13th St. and Baltimore Ave., to Lonsdale Bros., 502 Bryant Bldg. To exceed $300,000, for R. Keith Furniture & Carpet Co., R. Keith, 1101 Grand Ave., pres. Noted June 18.

**Okla., Oklahoma City**—OFFICE—Builders Exchange, c/o J. B. Landes, Chamber of Commerce Bldg., 17 story and basement, 50 x 100 ft., rein.-con., plain foundation, to J. W. Mann, Cotton Exch. Bldg. $725,000.

**Wash., Olympia**—LEGISLATIVE HALL—State Capital Com., erecting and completing excavation, concrete, brick, cut stone work, etc. for 179 x 341 ft. hall, 13th Ave W., to Sound Constr. & Eng. Co., Lowman Bldg., Seattle, $3,176,060. Noted June 4.

**Wash., Seattle** — HOSPITAL — Swedish Hospital Assn., c/o N. A. Johnson, dir. of trustees, 6 story and basement, concrete addition, Summit and Columbia Sts., to O. Roseleaf, 221 15th St. N., $225,000. Noted June 25.

**Wash., Seattle**—STORE—A. V. Love Dry Goods Co., Tacoma, masonry contract 4 story (ultimately 6 story) and basement, 120 x 120 ft., 1925 8th Ave., to J. E. Bonnell & Sons, 7600 Commerce St., Tacoma, $155,000.

**Calif., Los Angeles**—THEATRE, STORE, etc.—West Coast Theatres, Inc., Knickerbocker Bldg., theatre, store, apartment and office building, Mesa Dr. and Slauson Ave., to Barkelew & Gould, 401 Glendale Blvd., Los Angeles, approximately $275,000.

**Calif., San Bernardino**—THEATRE, OFFICE, etc.—Mayer Picture Corp., rein.-con. theatre, store and office building, to Solt Eng. & Constr. Co., 5416 Ruthlen St., Los Angeles, approximately $275,000.

**Calif., San Diego** — EXCHANGE — Southern California Telephone Co., 740 South Olive St., Los Angeles, 100 x 100 ft., brick and steel office and exchange, to MacDonald & Kahn, Spring-Arcade Bldg., Los Angeles, $216,500. Noted July 16.

**Calif., San Francisco**—APARTMENT—Christensen Bros. (owners and contractors), 687 20th Ave., will build three 3 story, timber, Octavia and Chestnut Sts., by day labor. $180,000.

**Calif., San Francisco**—APARTMENT—E. V. Lacey, 180 Jessie St., will build 8 story and basement, rein.-con., O'Farrell St. near Jones St., by day labor. $250,000. Noted June 11.

**Calif., San Francisco**—APARTMENT and STORE—W. J. Sandell, 4 story, rein.-con., Fillmore and Haight Sts., to W. S. King, 215 Hearst Bldg., $165,250.

**Calif., San Francisco**—HOME—Episcopal Old Ladies Home, 3 story, rein.-con., Lombard and Lyon Sts., to Williams & Wood, 405 Mills Bldg., San Francisco, approximately $200,000.

**Calif., San Francisco** — OFFICE and BANK—Crocker Natl. Bank, Crocker Bldg., fireproof bank and office building addition, Market and Posts Sts., to Dinwiddie Constr. Co., Crocker Bldg., approximately $600,000.

**Ont., Ottawa** — OFFICE — Metropolitan Life Insurance Co. of Canada, Jackson Bldg., stone for office building on Banks, Sparks and Wellington Sts., to Standard Stone Co., 1440 Howard St., Windsor, $152,000; granite, to Granite Co. Ltd., Stanstead, Que.

## Buildings—Educational, Religious

**PROPOSED WORK**

**Mass., Arlington** (br. Boston)—CHURCH—St. John's Parish, B. F. Hall, pastor, plans church. $150,000 or more. Engineer and architect not selected.

**Mass., Brighton** (Boston P. O.) — SCHOOL—City, Schoolhouse Dept., Boston, having plans prepared by Blackall & Elwell, 44 Bromfield St., Boston, 2 story and basement, brick, Howard Ave., here. $150,000.

**Mass., Cambridge** (Boston P. O.)—ART—Radcliffe College, A. L. Comstock, pres., plans 2 or 3 story art building, college grounds. $200,000. Engineer and architect not selected.

**Mass., Fall River** — COLLEGE — Notre Dame Academy having plans prepared by L. D. Destremps, 11 Pleasant St., 2 story, brick and steel college. $150,000. Noted Sept. 18.

**Mass., Medford**—SCHOOL—City, W. F. Weigite, chn. building com., plans 2 story school, Ward 3, $300,000. Engineer and architect not selected.

**Mass., Somerville** (br. Boston)—HIGH SCHOOL—City, J. H. Webster, mayor, City Hall, plans brick addition, Highland Ave. $200,000. Engineer and architect not selected.

**Mass., Winchester**—SCHOOL—Town, C. R. Main, chn. building com., having sketches made by Derby & Robinson, 5 Joy St., Boston, 2 story, brick, Highland and Appalachian Aves. $150,000.

**Conn., Hartford** — SCHOOL — City had plans prepared by Golden-Storrs & Co., 983 Main St., 10 room school, Belleview St. $180,000.

**N. Y., Baldwin** — HIGH SCHOOL — Bd. Educ. having plans prepared by H. T. Blanchard, 137 East 46th St., New York City 3 story, brick, steel and stone, plain foundation. $250,000.

**N. Y., New York** — COLLEGE and DORMITORY—Yeshiva of America, H. Fischel, chn. Building Com., c/o C. B. Meyers, archt., 31 Union Sq., soon takes bids brick, steel and stone, plain foundation, Amsterdam Ave. and 186th St. $5,000,000.

**Pa., Brownsville**—HIGH SCHOOL—Bd. Educ. having plans prepared by J. H. Harmon, Fayette Title & Trust Bldg., Uniontown, 2 story and basement, 85 x 120 ft., brick and tile high school. $150,000.

**Pa., Swissvale**—CHURCH and SUNDAY SCHOOL — First Methodist Episcopal Church having plans prepared by C. W. Bier, Pittsburgh Life Bldg., Pittsburgh, 1 and 2 story and basement church and Sunday school. $200,000.

**Pa., Titusville** — SCHOOL — St. Titus Roman Catholic Congregation having plans prepared by Morris & McHale, Mears Bldg., Scranton, 2 story and basement, 122 x 138 ft., brick and stone, West Main and 2nd Sts. $150,000.

**Md., Baltimore** — CHURCH, etc. — St. Casimirs Roman Catholic Church, Kenwood Ave. and O'Donnell St., having revised plans prepared by Palmer, Willis & Lamdin, 513 North Charles St., 1 story and basement, 70 x 207 ft. brick and stone, plain foundation, Lakewood Ave. and O'Donnell St. $160,000.

**N. C., Asheville** — HIGH SCHOOL — School Bd. plans West Asheville High School. $288,000. Noted Apr. 2.

**Fla., Coral Gables**—UNIVERSITY—G. E. Merrick donated 160 acres and subscribed $5,000,000 for Miami University, here. Total cost $15,000,000. W. E. Walsh, Miami, pres. pro tem.

**Tenn., Knoxville** — ECONOMICS — University of Tennessee, H. A. Morgan pres., plans Home Economics building, on campus. $165,000.

**Tenn., Memphis**—MEDICAL COLLEGE—University of Tennessee, Knoxville, having plans prepared by Jones & Furbringer, Porter Bldg., (1st unit) medical college, Union and Monroe Aves., here. $350,000.

**O., Cleveland**—SCHOOL—First Magyar Reformed Church, J. Herczegh, pastor, 2854 East 79th St., having plans prepared by Galther & Bockhor, 12401 Buckeye Rd., 2 story, brick, steel and concrete, Buckeye Rd. and East Boulevard. $150,000.

**O., Dayton**—SCHOOL—Bd. Educ., W. A. Weber, pres., 216 Ludlow Bldg., having plans prepared by Pretzinger & Musselman, Reibold Bldg., 2 story and basement, 150 x 275 ft., brick, steel and concrete, Germantown St. $250,000.

**O., Lakewood** (Cleveland P. O.) — CHURCH—Church of Christ Scientist, c/o W. C. Jones, Scofield Bldg., Cleveland, having plans prepared by F. W. Bail, 1152 Hanna Bldg., Cleveland, 1 story, brick and steel, West 117th St. $150,000. Noted Mar. 12.

**O., Springfield**—LABORATORY—Wittenberg College, College Hill, R. E. Tuttlioff, pres., having plans prepared by R. C. Gotwald, 310 M & M Bldg., 2 story and basement, 32 x 140 ft., brick, steel and concrete laboratory. $160,000.

**O., Wooster** — COMMUNITY — Wooster College, having plans prepared by Foote & Carpenter, 154 East Ave., Rochester, N. Y. 2 story and basement, 110 x 128 ft., brick and terra cotta, on campus. $200,000.

**Ind., Elkhart** — CHURCH — Christian Church having plans prepared by A. A. Honeywell, Penway Bldg., 2 story and basement, brick and stone church. $150,000.

**Ind., Evansville**—SCHOOL—School Bd. having plans prepared by H. G. Karges, Furniture Bldg., 2 story and basement, 35 x 90 x 150 ft., brick school. $150,000.

**Ind., Greensburg** — CHURCH — First Methodist Episcopal Church having plans prepared by H. Foltz, J. F. Wild Bldg., Indianapolis, 2 story and basement, brick and stone church. $150,000.

**Ind., Greenfield**—SCHOOL—School Bd. having plans prepared by O. P. Gordon, Greenfield, 2 story and basement, 110 x 195 ft., brick school. $150,000.

**Ind., Indianapolis**—CHURCH—Irvington Presbyterian Church having plans prepared by Harrison & Turnock, Bd. of Trade, 2 story and basement, brick and stone, Ritter Ave. $150,000.

**Ind., Indianapolis**—CHURCH—Meridian Heights Presbyterian Church, 47th St. and Park Ave., having plans prepared by H. Foltz, J. F. Wild Bldg., 2 story and basement, brick and stone, 49th St. $200,000.

**Ill., Chicago**—CHURCH—J. E. O. Pridmore, archt., 38 South Dearborn St., soon lets contract 100 x 100 ft., rein.-con., 921 Lawrence Ave., for Peoples Church. $450,000.

**Ill., Winnetka** — CHURCH — Congregational Church having plans prepared by Day & Klauder, Franklin Bank Bldg., Phila., Pa., new church. To exceed $150,000.

**Wis., Milwaukee** — CHURCH — St. Sebastian Congregation, c/o J. Schiltz, 595 54th St., pastor, having plans prepared by Backes & Uthus, 216 West Water St., 2 story, 106 x 140 ft., brick and stone, plain foundation, 54th St. $250,000.

**Wis., Milwaukee**—SCHOOLS—School Bd., F. Harbach, secy., plans (1st unit) of New Lincoln High School, $600,000; addition to Walker St. School, $240,000; New Fernwood School, $320,000; completing Junior High School, 38th St. and Fond Du Lac Ave., $200,000; addition to Cass St. School, $200,000; gymnasium and alterations at West Division High School, $200,000; additions to North Side High School $250,000, and to South Side High School, $200,000.

**Wis., New London**—CHURCH—Church of Most Sacred Blood congregation, c/o O. Kolbe, pastor, plans rebuilding 2 story and basement, brick and stone, plain foundation, recently destroyed by fire. $150,000. Engineer and architect not selected.

**Wis., Waukesha**—HIGH SCHOOL—Bd. Educ., E. R. Estberg, pres., having plans prepared by Parkinson & Dockendorff, Linker Bldg., La Crosse, (1st unit) Junior High School, 2 story and basement, rein.-con., brick and tile, plain foundation. $150,000.

**Minn., Cambridge** — ADMINISTRATION—State Dept. Administration & Finance, St. Paul, having plans prepared group building, main one being 3 story and basement, rein.-con. and brick, here, for Minnesota Colony for Epileptics. $255,000. Engineer and architect not announced.

**Minn., Duluth** — SCHOOL — State Dept. Administration & Finance, Capitol Bldg., St. Paul, plans 3 story and basement, rein.-con. and brick, at Teachers State College, here. $150,000. Engineer and architect not announced.

**Kan., Topeka** — HIGH SCHOOL — Bd. Educ., M. C. Holman, secy., having preliminary plans prepared by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., Junior High School, 3 story and basement, 120 x 120 ft., concrete, brick and stone, 3rd and Buchanan Sts. $150,000.

**Neb., Lincoln**—ASSEMBLY HALL and MUSEUM—University of Nebraska, having plans prepared by Fiske, Meginnis & Schaumberg, 533 Bankers Life Bldg., assembly hall, Agricultural College Campus $200,000; also by Davis & Wilson, 515 Security Mutual Bldg., for museum, Morrill Hall, 14th and Vine Sts., $350,000. S. Avery, chancellor.

**Mo., Kansas City**—HIGH SCHOOL—Bd. Educ., Public Library Bldg., having plans prepared by C. A. Smith, Finance Bldg., for West Side Junior High School, 3 and 4 story and basement, rein.-con., school with swimming pool, two gymnasiums and auditorium, plain foundation, Summit, Madison and 20th Sts. $300,000.

**Mo., Kansas City**—SCHOOLS—Voted $5,000,000 bonds for additions to Northeast Junior High, Paseo High, Southeast High and East Side High Schools, also new Eastside Junior High, Negro Junior High, Jefferson, Seven Oakes, Cherry St. and W. W. Yates Grade Schools, for Bd. Educ., Public Library Bldg. C. A. Smith, Finance Bldg., archt. Noted June 11.

**Mo., St. Louis** — SCHOOL — Bd. Educ. takes bids in September, Shenandoah Grade School, 3 story, rein.-con., brick and stone, Shenandoah Ave. $225,000. R. M. Milligan, 911 Locust St., comr. Noted Nov. 27.

**Tex., Abilene**—Election Aug. 10, $250 000 bonds waterworks improvements. C. E. Coombs, mayor.

Buildings—Educational, Religious (Cont.)

**Tex., Brownsville**—ADMINISTRATION, etc. — Academy of Incarnate Word & Blessed Sacrament, having plans prepared by H. P. Smith, Natl. Bank of Commerce, San Antonio, 3 story, basement and roof garden, rein.-con., brick and tile administration building, also 2 dormitories, on 30 acre plot, north of here. $325,000.

**Tex., Waxahachie** — MEDICAL ARTS — L. L. McNair, engr. and archt., preparing preliminary plans 5 story and basement, rein.-con., brick and stone, plain foundation. $150,000. Owner's name withheld.

**Okla., Tulsa**—CHURCH—First Baptist Church, 4th and Cincinnati Sts., having plans prepared by C. Woodruff, Reynolds Bldg., Ft. Worth, Tex., and takes bids about Sept. 1, 90 x 140 ft. brick and stone church, 55 or 60 ft. high, South Cincinnati Ave. $175,000.

**Okla., Wewoka**—HIGH SCHOOL—Bd. Educ. having plans prepared by Monott & Reid, Empire Bldg., Oklahoma City, 2 story and basement, 86 x 140 ft., rein.-con. and brick, plain foundation, Plum St. $160,000. Noted Sept. 11.

**Calif., Berkeley** — GYMNASIUM — University of California plans gymnasium, on campus. $1,000,000.

**Calif., Colusa**—HIGH SCHOOL—Trustees Colusa Union High School Dist., soon takes bids 2 story, brick high school, gymnasium and shop buildings. $200,000. G. C. Sellon, California State Life Bldg., Sacramento, archt. Noted May 21.

**Calif., Los Angeles**—HIGH SCHOOL—Bd. Educ. plans Fairfax High School, fireproof high school. $175,000 or more. Parkinson & Parkinson, Title Insurance Bldg., archts.

**Calif., Los Angeles** — HIGH SCHOOL — Bd. Educ. having preliminary plans prepared by A. M. Edelman 726 H. W. Hellman Bldg., and A. C. Zimmerman associated archt., 836 H. W. Hellman Bldg. Horace Mann Junior High School, 3 story, rein.-con. and stone, $340,000.

**Calif., Los Angeles** — SCHOOL — City plans fireproof school, Main and 69th Sts. $275,000. Dodd & Richards, Brack-Shops Bldg., archts.

**Calif., Oakland**—SCHOOL—City having plans prepared by W. J. Miller, 417 Market St., 2 story, rein.-con. school, in Fruitvale section. $160,000.

**Calif., San Bernardino**—SCHOOLS—City plans election $450,000 bonds for high schools and $400,000 bonds for elementary schools.

**Calif., Santa Barbara** — CHURCH — Roman Catholic Archbishop, c/o T. F. Power, archt., 2615 West 7th St., Los Angeles, having plans prepared rein.-con. church, Anacapa and Micheltorena Sts. $250,000.

**Calif., San Mateo**—HIGH SCHOOL—San Mateo Union High School Dist., plans election to vote $275,000 bonds additions to high school. Noted Jan. 20.

**Calif., San Rafael** — SCHOOL — San Rafael Military Academy having plans prepared by S. Heiman, 57 Post St., San Francisco, fireproof military school buildings, $150,000.

**BIDS DESIRED**

**Mass., Ludlow**—HIGH SCHOOL—School Building Comn. taking bids 2 story and basement, brick and stone high school. $150,000. M. W. Maloney, 23 Pearl St., Springfield, archt. Noted Apr. 23.

**Mass., Worcester** — LIBRARY and CHAPEL—July 27, by Holy Cross College, J. Dinand, pres., 3 story and basement, 65 x 175 ft., brick and steel library and chapel $150,000 or more. Maginnis & Walsh, 100 Boylston St., Boston, archts. Noted July 2.

**Pa., Phila.** — EXHIBITS — July 31, at office Sesquicentennial Exhibition Assn. Headquarters, 5th and Chestnut Sts., for exhibits building, at League Island Park. D. C. Collier, dir. genl.; adv. E. N.-R. July 23.

**La., Alexandria**—HIGH SCHOOL—July 29, by Rapids Parish Bd. Educ., J. W. Bolton, pres., 3 story, rein.-con., brick and stone high school. Favrot & Livaudais, Ltd., Hibernian Bldg., New Orleans, archts.

**Minn., Minneapolis**—SCHOOLS—July 31, by Bd. Educ., G. F. Womrath, bus. mgr., 305 City Hall, two schools, each 3 story and basement, L shaped, rein.-con., brick and stone, one at 42nd Ave. S. and 24th St., and other at 13th Ave. S. and 24th St. Bureau of Buildings, Div. Design & Constr., c/o owner, archt. $450,000.

**Neb., Omaha**—SCHOOL—July 30, by Bd. Educ. 2 story and basement, 120 x 210 ft., rein.-con. Gothic Architecture, 33rd and Jackson Sts. $150,000. F. A. Henninger, Securities Bldg., engr. Noted Jan. 25.

**Ark., Little Rock**—COLLEGE—Aug. 12, by Bd. Trustees State Teachers College at Dept. Educ., Capitol Bldg., completing practice building and additions and repairs to college building. Witt, Seibert & Halsey, Texarkana, archts.

**Okla., Shattuck**—HIGH SCHOOL—Aug. 3, by H. H. Dohe, archt., Okeene, 2 story and basement, 88 x 146 ft., rein.-con. and brick, plain foundation, Maple St., here, for Bd. Educ. $160,000.

**BIDS RECEIVED**

**Mass., South Boston** (Boston P. O.)—HIGH SCHOOL—City Schoolhouse Dept., Boston, T. P. Glynn, chn., 2 story and basement, brick addition, G St. and Thomas Park, from J. Rugo, 80 Boylston St., Boston, $213,440. Noted July 9.

**N. Y., Buffalo** — HIGH SCHOOL — Bd. Educ., 900 Genessee Bldg., rein.-con., brick and stone, Northampton St., from Harrison Eng. & Constr. Co., Ellicott Sq. Bldg., $844,569. Noted June 25.

**N. Y., Long Island City**—SCHOOL—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, July 14, general contract P. S. 114, Cronston Ave., here, from Hayson Constr. Co., Arverne, $359,500; heating, from Heat Control Serv. Co., 759 Park Pl., New York City, $50,927. Noted July 9.

**Calif., Los Angeles**—CHURCH—Thirteenth Church of Christ Scientist, general contract rein.-con., Edgemont Blvd., from Pozzo Constr. Co., 421 Macy St., approximately $115,000. Noted July 16.

**Calif., Los Angeles**—HIGH SCHOOL—Bd. Educ., J. Burroughs Junior High School, McCadden Pl., from J. F. Atkinson, Story Bldg., and North Pacific Constr. Co., Detwiler Bldg., Los Angeles, $128,700 each. Noted July 2.

**CONTRACTS AWARDED**

**Mass., Williamstown** — FRATERNITY—Psi Upsilon Fraternity, Williams College, 3 story and basement, 50 x 95 ft., brick and stone, to Holt-Fairchild Co., 7 Water St., Boston. Archts. est. $150,000. Noted Mar. 19.

**Conn., Bristol**—SCHOOL—School Comn., City Hall, 2 story, 60 x 100 ft., brick and stone, Pine St., to Louck & Clark Co., 6 Ernest St., Wallingford. Archts. est. $150,000. Noted June 18.

**Conn., Stamford**—CHURCH—St. Marys Roman Catholic Church, D. L. Gleason, pastor, 1 story and basement, 100 x 200 ft., brick and stone, plain foundation, Elm St., to Durrschmidt Building Co., 100 Main St., Derby. Archts. est. $200,000. Noted May 7.

**N. Y., New York**—CHURCH and OFFICE—Bway.-Chelsea Methodist Episcopal Church, 701 West 177th St., 24 story, brick, steel and stone, plain foundation, Bway. and 174th St., to W. Kennedy Constr. Co., 215 Montague St., Brooklyn. Archts. est. $4,000,000. Noted Feb. 12.

**N. Y., New York**—CHURCH—Park Ave. Methodist Episcopal Church, 151 West 42nd St., 15 story, brick, steel and stone, plain foundation, 85th St. and Park Ave., to Hegeman-Harris Co., 360 Madison Ave. Archts. est. $1,300,000.

**Pa., Norwood** (mail Hoadleys) — CHURCH and SUNDAY SCHOOL—Richter & Eller, archts., Reading 1 story, gallery and basement, 50 x 115 ft., stone, plain foundation, here, to Titzel Constr. Co., 520 Market St., Harrisburg, for Immanuel Lutheran Church, A. A. Kelly, pastor. Noted July 2.

**O., Canton** — HIGH SCHOOL — City, 2 story and basement, brick addition, Woodland Ave. N. W., to G. Whike Constr. Co., 6 McCurdy Blk., $154,588.

**O., Lakewood** (Cleveland P. O.) — CHURCH — St. James Roman Catholic Church, M. D. Leahy, pastor, 17514 Detroit Ave., 1 and 2 story and basement, 60 x 100 ft., brick, steel and concrete, Detroit and Granger Aves., to J. Lauer, 1468 Spring Garden Ave. Archts. est. $150,000. Noted Nov. 27.

**O., Lorain** — CHURCH and SUNDAY SCHOOL — First Methodist Episcopal Church, C. B. Hess, pastor, 658 Reid St., 2 story and basement, 100 x 135 ft., brick and steel, to Graupner & Ule, Lorain. Archts. est. $160,000. Noted June 25.

**Mich., Iron Mountain** — SCHOOL — Bd. Educ. Breitung Twp., 2 story and basement, 65 x 215 ft., brick and tile, plain foundation, to A. J. Verville Co., Hancock, $110,540. Noted July 9.

**Mich., Pontiac**—CHURCH—First Presbyterian Church, 2 story and basement, rein.-con., brick and steel, plain foundation, to R. H. Daley, 400 Penobscot Bldg., Detroit. Archts. est. $150,000.

**Mich., Port Huron** — SCHOOL — Donaldson & Meier, archts., 1314 Penobscot Bldg., Detroit, 2 story and basement, 119 x 193 ft., rein.-con., brick and steel, plain foundation, Erie St., here, to Talbot & Meier, 250 West Lafayette Ave., Detroit, for St. Stephens Parish. Archts. est. $200,000. Noted June 11.

**Ill., Joliet**—CURCH—First Presbyterian Congregation, general contract 2 story and basement, rein.-con., brick and stone church and Sunday school, to Hanson & Peterson Constr. Co., Joliet, $130,984. Noted Mar. 6.

**Ill., Princeton**—HIGH SCHOOL—Township High School Bd., c/o D. E. Pamp, secy., 3 story, 70 x 320 ft., rein.-con., brick and stone, to A. Kuick, Dubuque. Engrs. est. $250,000. Noted July 16.

**Minn., St. Paul**—SCHOOL—Sacred Heart Roman Catholic Parish, 618 Arcade St., general contract 3 story and basement, rein.-con., brick and stone, 6th and Arcade Sts., to L. W. Baumeister & Son, 1146 Rose St. Total cost approximately $250,000.

**Kan., Atchison**—SCHOOL—Bd. Educ., general contract 2 story and basement, 88 x 110 ft. school, to Peterson Constr. Co., Salina, $88,208. Noted June 25.

**Tex., Dallas**—SCHOOL—Bd. Educ., c/o C. M. Moore, 2 story and basement, rein.-con., brick, stone and steel addition to Bowie School, to Mahaffey & Howard, Gaston Bldg., $117,700.

**Okla., Tahlequah** — SCHOOL — C. H. Burke, comr. Indian Affairs, Wash., D. C., addition to Sequoyah Orphan Training School, here, to W. L. Garner, Tahlequah, $15,226. Noted June 25.

**Calif., San Francisco**—HIGH SCHOOL—City and San Francisco Co., general contract Mission High School, to MacDonald & Kahn, 130 Montgomery St., $807,340; electrical work, to Crown Electric Co., 153 Eddy St., $49,990; plumbing, to Burnham Plumbing Co., 1220 Webster St., $46,317; mechanical equipment, to Latourrette-Fiscal Co., 2612 9th St., Berkeley, $67,596. Grand total $971,243. Noted July 16.

## Federal Government Work

**PROPOSED WORK**

**Del., Bethany Beach**—Well—Spec. 5131—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids artesian well at Radio Compass Sta., here.

**Ore., Portland**—Hospital—U. S. Veterans Bureau, Wash., D. C., plans survey of 25 acre site for proposed veterans hospital, Marquam Hill, here.

**BIDS DESIRED**

**Conn., Danbury**—Post Office—Aug. 14, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here; adv. E. N.-R. July 23.

**Pa., Pottsville**—Post Office—Aug. 18, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here; adv. E. N.-R. July 23.

**Pa., Phila.** — Remodeling — Aug. 7, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling steam engine in Post Office and Court House, here; adv. E. N.-R. July 23.

**Pa., Pittsburgh**—Lock Gates—Aug. 14, by U. S. Engineer Office, steel lock gates for Lock 4, Alleghany River; adv. E. N.-R. July 23.

**Va., Norfolk**—Barge—Aug. 17, by U. S. Engineer Office 4 x 18 x 50 ft. steel barge; adv. E. N.-R. July 23.

**Ga., Savannah**—Remodeling—Aug. 5, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling at Marine Hospital, here.

**Fla., St. Augustine**—Post Office—Aug. 17, by Treas. Dept. at office Supervising Archt., Wash., D. C., improving post office, here; adv. E. N.-R. July 23.

**Ala., Florence**—Rock Crusher—Aug. 1, by U. S. Engineer Office, 48 in. gyratory rock crusher at Wilson Dam.

**Ala., Florence**—Steel Shutter—July 27, by U. S. Engineer Office, War Dept., Wash., D. C., rolling steel shutter in power house at Wilson Dam, here.

**La., New Orleans** — Nurses Quarters — Aug. 12, by Treas. Dept. at office Supervising Architect, Wash., D. C., 1 story, 43 x 44 ft. nurses quarters, etc., here.

**Ky., Louisville**—Metal Work—July 31, by U. S. Engineer Office, P. O. Box 72, fixed work for Dams 49 and 50, Ohio River; adv. E. N.-R. July 23.

**Ky., Louisville**—Sheet Piling—July 29, by U. S. Engineer Office, P. O. Box 72, steel sheet piling for Dam 50, Ohio River; adv. E. N.-R. July 23.

Federal Government Work (Continued)

**Ind., Indianapolis**—Addition—Aug. 10, by Treas. Dept. at office Supervising Architect, Wash., D. C., new mezzanine in Registry Div., etc., at Court House and Post Office, here.

**BIDS RECEIVED**

**Mass., Lowell**—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., extending post office, here, from Garber & Cissel, Inc., Bethlehem, Pa., $9,000. Noted June 4.

**Mass., Lynn**—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling post office, here, from C. H. Holmes Constr. Co., 67 Bonair St., Somerville, $19,560. Noted June 4.

**N. Y., Brooklyn**—Quarters—Spec. 4937—Bureau Yards & Docks, Navy Dept., Wash., D. C., double quarters at Naval Hospital, from Waldeman Mortenser Co., Inc., 405 Lexington Ave., New York City. (1) $43,134 (2) $225 (3) $375 (4) $1,625 (5) $475 (6) $50. Noted July 2.

**D. C., Wash.**—Boiler House—Spec. 5128—Bureau Yards & Docks, Navy Dept., addition to boiler house and chimney on Naval Hospital, from Concrete Oil Tank Co., 519 Mills Bldg., (1) $41,993 (2) $43,993 (3) $6,000 $7,000 (4) $7,180 $9,350 (5) $6,000 (6) $7,000 (7) $1,180, $2,350.

**D. C., Wash.**—Quarters—Spec. 5087—Bureau Yards & Docks, Navy Dept., Wash., D. C., extending nurses quarters, from G. G. Loehler. (1) $99,700 (2) $400 (3) $60 (4) $200 (5) add $500. Noted Jan. 8.

**CONTRACTS AWARDED**

**Fla., Jacksonville**—Pipe Line Dredge—U. S. Engineer Office, Room 2805, Munitions Bldg., Wash., D. C., steam driven 20 in. pipe line dredge, to Ellicott Machine Corp., Bush and Severn Sts., Baltimore, Md., $374,175. Noted June 4.

**Miss., Vicksburg**—Levee Work—Mississippi River Comn., 175,000 cu.yd. levee work in Lower Yazoo Levee Dist., to R. P. Harris & W. Owens, Jackson, $136,150.

**Ill., Belleville**—Mooring Mast—U. S. War Dept., Wash., D. C., mooring mast, 200 ft. high, concrete and steel, at Scott Field, here, to Aircraft Development Co., General Motors Bldg., Detroit, Mich.

## Unclassified

**PROPOSED WORK**

**Park—Boston, Mass.**—City, Park Dept., 33 Beacon St., plans public park on land bordered by Columbus Ave. Church, Stuart and Tennyson Sts., Park Sq. Dist. $300,000. J. B. Shea, chn.

**Land Development, etc.—Daytona, Fla.**—Daytona Stores plans develope 2400 acres and install swimming pool, roads and lighting system. J. E. Stratman, Daytona, treas.

**Subway—Euclid, O.** — Village & New York Central R.R., West 3rd St. and St. Clair Ave., Cleveland, plan rein.-con. subway. Bliss Rd. $276,100. G. C. Cleveland, c/o owner, consult engr.

**Foundation—Indianapolis, Ind.**—Walker & Weeks, archts., 1900 Euclid Ave., Cleveland, O., soon lets contract foundation for 4 story war memorial, here, for Indiana World War Memorial. P. Comstock, 506 North Pennsylvania St., secy.

**Generator Unit — Springfield, Ill.** — City making specifications new turbo generator unit, 8,000 or 10,000 hp. to power plant. $125,000-$175,000. W. J. Spaulding, comr.

**Swimming Pool — Kansas City, Mo.** — See "Buildings—Educational, Religious."

**Tourist Camp — Kansas City, Mo.** — Kansas City Public Impvt. Assn., plans tourist camp, $100,000, and traffic signal light, $200,000.

**Cemetery — St. Louis, Mo.** — St. Paul's Evangelical Church, 3510 Giles Ave., purchased site and plans landscaping, concrete driveway, etc. St. Paul's Churchyard on Rock Hill Rd. near Gravois Rd. $500,000. Private plans.

**Flood Control — Brownsville, Tex.** — Comrs. Cameron Co., plan election $1,500,000 bonds, flood control. O. C. Dancy, Brownsville, judge.

**Subway — San Antonio, Tex.** — International-Great Northern R.R. Co., Electric Bldg., Houston, plans Subway at El Paso St., here. $51,500. L. S. Schwinn, ch. engr.

**Transmission Line—Oklahoma**—Oklahoma Power Co., Okmulgee, plans 15 mi. 23,000 v. transmission line from Okemah to Castle and Boley, with distribution system in each town. $30,000. C. H. Kretz, Okmulgee, engr.

**Swimming Pool — Tulsa, Okla.** — See "Buildings—Commercial."

**Subway — Fresno, Calif.** — Fresno Co. Road Dist. 2, making plans subway under tracks of Santa Fe R.R., in Van Ness Blvd. $50,000. A. Segel, 512 Griffith McKenzie Bldg., Fresno, engr.

**Sub-Grade Crossing — Oakland, Calif.** — City will appropriate $250,000 funds for constructing sub-grade crossing at 7th St. W. W. Harmon, city engr.

**Wharf—Oakland, Calif.**—City plans to appropriate $70,000 funds for garbage wharf and handling equipment. W. W. Harmon, city engr.

**Grand Stand—Sacramento, Calif.**—State Building Comn., having preliminary plans prepared rein.-con., brick and steel grand stand at fair grounds. G. B. McDougall, Forum Bldg., state archt.

**Power Development — Ontario** — Ontario Government authorized Hydro Power Comn., 190 University Ave., Toronto, to develop power on Ottawa River at Rocke Fendus Rapids, Chenaux Rapids 52 mi. west of Ottawa, Chat Falls 32 mi. west of Ottawa, Deschenes Rapids at Ottawa, Carillon Rapids Incl. fall in river at Point Fortune and Hawkesbury. $20,000,000.

**Harbor Improvements — Canada** — Dominion Government, Ottawa, Ont., plans new breakwater at Dingwall, Aspy Bay, N. S., $25,000, at Port Maitland, Ont., $25,000, Grand Harbor, N. B., $25,000; extending breakwater at Victoria Beach $24,000; reconstructing breakwater at Collingwood, Ont., $35,000; dredging in East River, N. S., $20,000, at Petit de Grat, N. S., $38,800, at Nicolet, Que., $22,000, Midland, Ont., $58,000, Rondeau, Ont., $32,000, Saulte Ste. Marie, Ont., $61,000, False Creek, B. C., $41,200; new wharf at Sydney, N. S., $30,000; extending wharf at Cap de la Madeline, Que., $30,000; extending wharf and dredging at Chandler, Que., $50,000; protection work at Delta, Man., $33,000, improving jetty at Fraser River, B. C., $34,000; harbor improvements at Matane, Que., $140,000 (Hammermill Paper Co. of Erie, Pa., will contribute $100,000); harbor improvements at Toronto, Ont., $215,000, and at St. John, N. B., $250,000; elevators at Prince Rupert, B. C., $685,000; paving roadways and sidewalks on Parliament Hill, Ottawa, Ont., $25,000; warehouse for Dept. Agriculture at Lake Erie, Ont., $60,000; new bridge at Trent, Ont., $40,000, and one at McNabb, Ont., $2,500.

**BIDS DESIRED**

**Ornamental Lighting Standards—Buffalo, N. Y.**—July 27, by Commissioner Pub. Wks., Municipal Bldg., metal and concrete ornamental parkway electric light standards.

**Street Lighting System—Akron, O.**—July 29, by W. F. Peters, dir. Pub. Serv., for boulevard street lighting system on 9,400 ft. Elmdale Ave. et al. $43,000. E. A. Kemmler, Delaware Bldg., engr.

**Field House—Chicago, Ill.**—Aug. 2, by C. Hatzfeld, engr. and archt., 2 story, 37 x 70 ft., brick public building for park at North Central Park and Drake Ave., for Bd. Comn. Irving Park Dist., c/o architect. $25,000.

**Heating and Ventilating—Murphysboro, Ill.**—July 27, by Bd. Educ., S. B. McNeill, pres., heating and ventilating, plumbing, sewering and electrical work in new high school unit, etc. $25,000. R. Z. Gill, 1328½ Walnut St., archt.

**Transmission Line — Wisconsin** — See Contracts Awarded.

**Stadium—Madison, Wis.**—University of Wisconsin, J. D. Phillips, mgr., taking bids rein.-con. and steel addition to stadium at Camp Randall, $25,000. A. Peabody, State Capitol, engr. Noted May 29.

**Gas Mains — San Antonio, Tex.** — See "Contracts Awarded."

**Underground Conduits—Oklahoma City, Okla.**—See "Contracts Awarded."

**Tunnel — Grass Valley, Calif.** — See "Dams."

**BIDS RECEIVED**

**Borings—New York, N. Y.**—Bd. Transportation, 49 Lafayette St., July 17, borings along St. Nicholas and Ft. Washington Aves., Bway. and site of 207th St. yard, Agreement "DZ," from Sprague & Henwood Co., Inc., $12,059; furnishing track material Order 7, cur track spikes, screws, etc., from Bethlehem Steel Corp., 25 Bway., $2,824; rolled steel, from Track Specialties Co., Inc., 29 Bway., $6,320; malleable iron guards and tie plates, from Albany Malleable Co., Inc., Voorhesville St., Albany, $1,816; bolts, nuts, etc., from H. L. Usher, 50 Church St., $5,291. Noted July 9.

**Police Alarm System, etc. — Knoxville, Tenn.** — City Council complete equipment and installation police alarm and telephone system, from Gamewell Fire Alarm & Telegraph Co., 417 Dearborn St., Chicago, Ill., $49,435. Noted Apr. 30.

**Playground, etc. — St. Louis, Mo.** — Bd. Educ., 911 Locust St., grading, surfacing, etc., playgrounds Letting 2553, from Fleischer Cement Constr. Co., Railway Exch. Bldg., $30,975; Letting 2553 A, from G. Griffiths Constr. Co., 705 Olive St., $12,900.

**Transmission Line—Oklahoma**—Town of Quinlan, election July 21, $15,000 bonds, 10 mi. electric transmission line from Mooreland to Quinlan, incl. distribution system in town. Engineer not announced.

**CONTRACTS AWARDED**

**Subway—Jersey City, N. J.**—State Hy. Comn. Trenton, 1,600 ft. extension Route 1, etc., to Pub. Serv. Production Co., 80 Park Pl., Newark, $1,176,601. Noted July 9.

**Transmission Line—Wisconsin**—Wisconsin Power & Light Co., Gay Bldg., Madison, will build high power transmission line between Red Granite and Wautoma, by day labor. $35,000. Private plans.

**Culverts—Sigourney, Ia.**—Keokuk Co., 30 concrete box culverts in various sections of county, to Wallace Lumber Co., Sigourney, $27,060.

**Transmission Line — O'Neil, Neb.** — See "Buildings—Industrial."

**Causeway — Dallas, Tex.** — Bd. City Comrs., concrete causeway across Garza Reservoir at Fish Trap crossing of Trinity River, near Mingo Station, to Hill, Wilson & Watson, 603 North Texas Bldg., Dallas, $58,641. Engrs. est. $60,000. Noted June 11.

**Gas Mains—San Antonio, Tex.**—San Antonio Pub. Serv. Co., 201 North St. Marys St., will build 2 mi. 12 in. high pressure gas main from Cincinnati Ave. and Brazos St. to Elliott-Jones Refinery, by day labor. $25,000. Private plans.

**Underground Conduits—Oklahoma City, Okla.**—Southwestern Bell Telephone Co., 3rd St. and Bway., will build 2 mi. new underground conduits, new switchboard capacity for 5,000 telephones, and 5 mi. new lead cable, by day labor. $200,000. O. A. Jennings, Oklahoma City, engr.

**Natatorium—Wynne Wood, Okla.**—City, natatorium and 3 mi. 4 in. wrought iron pipe lines, from artesian wells, to W. L. Davis, Wynne Wood, $23,000. Engrs. est. $35,000.

**Piers—Aberdeen, Wash.**—City Council new piers under West Bridge, to Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, $93,192. Engrs. est. $100,000.

**Breakwater—Long Beach, Calif.**—City, rubble mound breakwater, moles, and bulkhead, to Hauser Constr. Co., Hutchinson Bldg., Oakland, $1.70 per ton. Noted July 9.

**Lighting System—San Diego, Calif.**—Common Council ornamental lighting system on India, B and C Sts., etc., to Globe Electric Wks., 300 6th St., $43,317. Noted July 16.

**Lighthouses — Leamington, Ont.** — Dept. Marine & Fisheries, Ottawa, lighthouse, incl. cribwork pier, to Detroit River Constr. Co., Windsor, about $130,000.

## Materials

**PROPOSED WORK**

**Rock Asphalt — Nashville, Tenn.** — Bd. Pub. Wks. soon takes bids 1,200 tons rock asphalt for use on various streets. W. W. Southgate, city engr.

**BIDS DESIRED**

**Paving Blocks—Brooklyn, N. Y.**—July 29, by J. A. Guider, boro pres., Boro Hall, 75,000 Grade 1 Standard 5 in. granite and 80,000 wood paving blocks.

**Asphalt, etc.—Bushnell, Fla.**—Aug. 11, by Bd. Comrs. Sumter Co., about 260,000 gal. asphalt, and 7,800 crushed stone or slag, f.o.b. cars point in Sumter Co. E. V. Camp & Associates, 1 North Maryland St., Atlanta, Ga., engrs.

**Chlorine Gas, etc.—Cleveland, O.**—July 31, by City, 400,000 lb. liquified chlorine gas and 1,000 tons sulphate of alumina.

**Cement—Napa, Calif.**—Napa Co. J. A. Daly, clk., in market for 6,000 bbl. Portland cement.

**Wire—Melbourne, Australia**—Aug. 19, by Secretary Victorian Government Rys., 10 mi. double braided copperclad line wire.